

chemicalweek

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NRC committee calls for more research on water disinfectants' effects.	June 20 56	Fluidized-bed combustion: G.E. will try out some new ideas in fluidized bed combustion of coal. N	Feb 14 18	Chemical firms plan hazardous-materials accident-data system. N	July 18 34
Non-electrolytic chlorine process uses heat from coal combustion.	Feb 7 36	Fluidized-bed combustion: TVA, Oak Ridge, and Memphis LG&W projects. Fluidized beds may be used to burn sludge. N	Dec 5 78	Other views: 'The media are in the castle to stay'. Irving S. Shapiro.	Oct 17 5
OSHA delays plan to set stricter exposure standard.	Feb 21 18	Fluidized-bed combustion: ready for fluidized-bed boilers with guarantees to be offered by two firms. N	Aug 22 16	Tiny components = big markets (table).	Nov 21 15
OSHA sets ceiling on exposure to chlorine.	July 25 23	Fluidized-bed combustion: DOE wants to sell big steam users on fluidized combustion.	Oct 17 28	Compressed Gas Assn.—Annual meeting: U.C.'s Smith warns on using "muscle" to set policy.	Feb 7 20
OSHA's revised standard for chlorine. N	Oct 24 14	Fluidized-bed combustion: G.E. will try out some new ideas in fluidized bed combustion of coal. N	Aug 22 45	Computers	
N Outlook brightens: Producers boost prices as demand increases and operating rates rise (charts & table).	Mar 14 29	Fluidized-bed combustion: TVA, Oak Ridge, and Memphis LG&W projects. Fluidized beds may be used to burn sludge. N	Mar 28 25	Chemical firms plan hazardous-materials accident-data system. N	July 18 34
Prices N Mar 7-32, N Sept 5-65.	Nov 28 40	Fluidized-bed combustion: DOE wants to sell big steam users on fluidized combustion.	June 20 23	Control instrumentation: new systems aim at world market (chart).	May 2 55
Chlorine see also Caustic Soda; Chlorine		Fluidized-bed combustion: ready for fluidized-bed boilers with guarantees to be offered by two firms. N	Oct 31 40	Delt at ASME Industrial Power Conference: "Optimization program can be written with practically no capital investment".	Oct 31 46
Chlorine Dioxide—NRC committee calls for more research on water disinfectants' effects.	June 20 56	Fluidized-bed combustion: G.E. will try out some new ideas in fluidized bed combustion of coal. N	Feb 14 18	Dept. of Interior computer model predicts effect of various factors on deep-sea mining. N	Jan 10 34
Chlorobenzene—EPA orders ban.	Aug 29 27	Fluidized-bed combustion: TVA, Oak Ridge, and Memphis LG&W projects. Fluidized beds may be used to burn sludge. N	Dec 5 78	Engineering drawings: Computers bring speed and professional quality to engineering drawings.	Feb 14 37
Chlorodiphenyl—NIEHS studies effect of chemicals on the fetus.	Jan 31 21	Fluidized-bed combustion: DOE wants to sell big steam users on fluidized combustion.	Aug 22 16	Foxboro's microprocessor-based systems for distributed control called Spectrum. N	Apr 25 48
Chlorofluorocarbons see Fluorocarbons		Fluidized-bed combustion: G.E. will try out some new ideas in fluidized bed combustion of coal. N	Oct 17 28	IIT computer system ranks chemicals by potential health hazard.	Mar 7 35
Chloroformates—Prices.	Nov 21 24	Fluidized-bed combustion: ready for fluidized-bed boilers with guarantees to be offered by two firms. N	Aug 22 45	Integrated lab and office data systems save researchers time, money (chart).	Oct 10 47
Cholesterol—Studies give different views of cholesterol's role in cancer.	Jan 10 34	Fluidized-bed combustion: DOE wants to sell big steam users on fluidized combustion.	Mar 28 25	Materials Consultants Lab's new system to "fingerprint" airborne particulates from industrial stacks. N	June 8 35
Chromatography		Fluidized-bed combustion: G.E. will try out some new ideas in fluidized bed combustion of coal. N	June 20 23	New microprocessors at petrochemical, refining exhibition in Houston. N	Apr 11 41
Chromatographic method for separating ethyl benzene and para-xylene from mixed-xylene streams: ACS meeting.	Apr 11 45	Fluidized-bed combustion: TVA, Oak Ridge, and Memphis LG&W projects. Fluidized beds may be used to burn sludge. N	July 4 39	Tenneco computerized order-processing and inventory-control system called TOPICS.	May 23 16
Gas chromatograph will purify perfume, flavor chemicals on plant scale.	June 6 35	Fluidized-bed combustion: DOE wants to sell big steam users on fluidized combustion.	Aug 29 52	Texas Instruments will open a network of process control schools. N	Aug 15 38
—Correction.	June 20 56	Fluidized-bed combustion: ready for fluidized-bed boilers with guarantees to be offered by two firms. N	May 16 42	Tiny components = big markets (table).	Nov 21 15
Pittsburgh Conference focuses on refinements.	Mar 14 39	Fluidized-bed combustion: G.E. will try out some new ideas in fluidized bed combustion of coal. N	July 25 42	Concrete	
Textile researchers seek new technique for separating water mixtures (flow-sheets).	June 6 42	Fluidized-bed combustion: TVA, Oak Ridge, and Memphis LG&W projects. Fluidized beds may be used to burn sludge. N		BMI Ltd. to test market fly ash as concrete additive. N	Nov 14 51
Thin-layer chromatography is being adapted to detect mutagens and carcinogens.	Feb 14 41	Fluidized-bed combustion: DOE wants to sell big steam users on fluidized combustion.		Bridge maintenance: Specialties cut the bridge toll.	Aug 29 52
Chroms		Fluidized-bed combustion: G.E. will try out some new ideas in fluidized bed combustion of coal. N		Coatings	
PPG Industries chrome chemicals business sold to Harrisons & Crosfield Ltd.	Oct 24 13	Fluidized-bed combustion: ready for fluidized-bed boilers with guarantees to be offered by two firms. N		Bridge maintenance: specialties cut the bridge toll.	Aug 29 52
USBM low-energy process regenerates and recycles chrome etching solutions.	May 16 43	Fluidized-bed combustion: DOE wants to sell big steam users on fluidized combustion.		Envirosol System for do-it-yourself paints and varnishes: New coatings work like solvent systems, but clean up with water.	May 16 42
Clay		Fluidized-bed combustion: G.E. will try out some new ideas in fluidized bed combustion of coal. N		Marine coatings: will new technology add life to the market?	July 25 42
Chemical Week 300—report. Homer G. Starr (tables) Feb 28-40, Apr 25-34, May 30-46, Aug 29-39.	Nov 21 36	Fluidized-bed combustion: TVA, Oak Ridge, and Memphis LG&W projects. Fluidized beds may be used to burn sludge. N			
"The stately homes of England" in miniature, replicas done in acrylic modeling clay.	Sept 19 55	Fluidized-bed combustion: DOE wants to sell big steam users on fluidized combustion.			
Classifiers		Fluidized-bed combustion: ready for fluidized-bed boilers with guarantees to be offered by two firms. N			
Car-wash chemicals: sales outlook; pressure is on to recycle.	May 9 36	Fluidized-bed combustion: G.E. will try out some new ideas in fluidized bed combustion of coal. N			

Grace's Darex Corrosion Inhibitor added to concrete prevents bridge corrosion. N	July 4	39	Texas Instruments will open a network of process control schools. N	Aug 15	38	Pollution control costs		
Condensers - Packed-column scrubber known as an autocooler takes vapors at J.P. Stevens' Wallace, N.C. plant.	May 30	59	Converters-Radial-flow converter to make sulfuric acid saves energy.	Apr 25	58	Business investment for pollution down, CEO says.	Jan 31	20
Conference Board			Cookout market helps boost sales of charcoal, startup products.	July 4	33	Case studies estimate waste cleanup cost.	May 2	16
Aid to education survey.	May 2	62	Coolants-Olin develops cluster-like silicate esters that withstand water.	Mar 7	37	Clarification.	May 16	28
Capital appropriations reports N Mar 13.	Sept 15	13	Cooling Towers			Dow calculates costs for complying with government regulations total \$268 million in 1977.	Feb 14	18
Foreign manufacturing investments report: United States leads the world. R	Oct 17	28	A tale of three towers and a bum rap -Viewpoint.	June 20	5	Environmental costs may curb chemical industry expansion: Survey of environmental issues.	Feb 21	41
Measure of Business Confidence survey: Confidence in the future of the chemical industry falls in second quarter.	June 27	17	-Letters Aug 15.	Oct 10	5	EPA pollution-spending tally jars industry (table).	Oct 17	24
N Study warns of gr wing terrorism, adds to debate over taggants.	Nov 28	23	Three Mile Island, Pa. nuclear accident: More doubts about nuclear power.	Apr 11	22	EPA quantifies savings from pollution rules.	Apr 4	22
Conference on Pacific Energy-China, too, faces energy and growth problems.	July 11	36	-Letters June 13-5.	Aug 1	5	EPA's modified "effort" policy will permit "banking" pollution costs.	Jan 24	16
Conger, Harry C., vice-president and general manager of Calgon Corp.: Flying helped his career to take off.	Nov 7	60	Copper			Nitrogen dioxide limits under 750 ppm.: cost could be staggering.	July 4	41
Construction			Chile: boon for mining chemicals.	Dec 12	59	Pollution control outlay for chemicals on rebound (table).	May 16	46
Air pollution rules have building plans up in air.	July 18	48	Chilean deposit.	Apr 4	28	Pollution-control spending hit \$2.5 billion in 1977.	Mar 21	38
American firms can expect to receive fewer energy-development contracts from Middle East says Parsons' Leonhard.	Oct 10	28	Cities Service copper expansion with two projects in Arizona.	Sept 12	28	RCRA: EPA data supports \$750-million cost.	Jan 17	19
Ammonia plant builders settle patent dispute.	Sept 19	26	Coins: Susan B. Anthony "silver" dollars.	June 27	40	RCRA's costly insurance and deposit rules may doom on site disposal.	Mar 14	48
Coyne seeks a slot in gas-plant construction.	July 25	35	Israel: Timma copper mines will be reactivated.	Dec 12	56	Regulatory costs		
Dow inspects buildings with mortar additive Sarabond.	Nov 28	22	Prices N Jan 17-36.	Feb 21	30	Business Roundtable study puts a price on regulation (chart).	Mar 21	21
Engineering fabrics provide solid support for roads, drainage systems.	June 6	32	Copper Oxide-Prices.	Feb 21	30	EPA, White House battle over cost of regulation.	Mar 7	20
Housing slump hasn't hurt carpet fibers (chart).	Nov 21	25	Copper Sulfate-Prices.	Feb 21	30	Legislation requiring that federal agencies conduct cost-benefit analyses of all their new regulations to be introduced.	Jan 17	22
Plasticized sulfur will get a road test in Texas.	Feb 7	36	Corn-Gasohol plant feasibility study underway for Wisconsin co-ops.	Sept 19	43	OSHA restates its opposition to cost-benefit analyses.	May 23	14
Sulfur-based road-paving material, dubbed Sulphex, could replace asphalt.	Aug 15	18	Corrosion			Regulatory Council's docket of proposed 1980 rule-making actions.	Dec 12	19
Tennessee-Tombigbee waterway project proceeds despite challenges (diagram & map).	Apr 18	35	Corrosion fighters: Chem Show exhibitors.	Nov 14	67	Regulatory Reform Act of 1979: procedures would require regulatory agencies to conduct economic analyses of their regulations.	Apr 4	21
U.S. construction outlook: 1980 dollar outlays to rise despite drop in units; resurgence coming in 1981 (charts).	Nov 28	20	Drew launches corrosion and scale damage prevention products Drawgard 187 and Amplex.	Jan 10	45	White House will try to pare cost of industry of pending regulations.	June 6	14
Worldwide engineering and construction industry in 1980: here's the way it looks to contractors (table).	Dec 19	75	Grace's Darex Corrosion Inhibitor said to prevent bridge corrosion.	July 4	39	Will rulemakers give smaller firms an edge?	Aug 8	26
Consumer Product Safety Commission			Cosmetics			Relocation: grappling with the high cost of relocation.	Nov 14	80
Approach toward chronic hazards: CSI. A meeting.	May 23	34	Chemical Week 300-report. Homer G. Starr (tables) Feb 28-41, Apr 25-33, May 30-49, Aug 29-36.	Nov 21	36	SACI Survey sees no end to boosts in cost of selling.	Mar 28	31
Byington, S. John joins American Council on Safety and Health as its Washington Policy Advisor.	Apr 11	18	Cosmo Expo takes a look at cosmetics in 1980s.	May 2	50	SRC projects: Costs.	Oct 17	28
Consumer-goods ingredient testing to be opposed.	Feb 28	14	Croda is promoting a new technology—the creation of anhydrous cosmetics for its esters, dubbed Syncrowaxes.	Sept 19	55	SRI's one-step silicon process could slash solar cell costs.	Sept 5	76
Interagency Regulatory Liaison Group see under name			European market—research reports.	June 27	40	Synfuel program draws fire: Rand study warns of cost overruns.	July 18	22
Withdraws its controversial policy on carcinogens.	May 2	14	FDA finds nitrosamines in several cosmetics.	Apr 18	14	Tennessee-Tombigbee waterway project proceeds despite challenges (diagram & map).	Apr 18	35
Contact Lens—Marketers eye profits in contact lenses.	Oct 3	38	Italian cosmetics firms seek "me-too" EEC law.	Sept 26	69	TVA's "fallen curtain" process cuts fertilizer cost.	Sept 26	23
Contact Lens Manufacturers Assn.—Contact lens business.	Oct 3	38	Jobopa plant may become a source of cosmetics.	Feb 7	31	Uranium-enrichment technique called the Haga process: inventor Gazda claims new process cuts cost of nuclear fuel by 90% (diagram).	Sept 5	73
Containers			-Letter.	Mar 14	5	Cryogenics—Liquid nitrogen key to tire-recycling process.	July 11	41
EPA plans rules for pesticide containers to protect workers.	Aug 15	22	Kline, Charles H. market study.	Apr 18	21	Cotton		
Hawaiian court rules that a state law prohibiting the sale of beverages in plastic containers is illegal and unconstitutional.	Sept 5	23	Nail polish business: new ingredients give boost to \$150 million/year business.	Aug 8	41	Ammonia mercerization helps new cotton shirts shake out the wrinkles.	Feb 7	25
Hexagonal corrugated-board drums gain foothold in chemical markets.	Jan 10	29	Shiseido Co. licenses production know-how to Pacific Chemical Industrial Co.	Nov 21	22	Cotton, Inc. is under scrutiny of USDA; J. Dukes Wooters is object of direct request for dismissal.	Aug 22	30
Owens-Illinois plans coordinated shipping container plant at Tracy, Calif.	Feb 28	24	Swiss market for personal-care products.	Jan 24	44	Cotton Inc. study done by ADL indicates rising oil prices will erase polyester's price advantage over cotton by 1985.	Aug 15	17
Owens-Illinois reports on bottle market.	Mar 28	40	Wrinkle smoothers: Jovan jumps into hot new cosmetics market.	Jan 10	45	Du Pont disputes fibers study.	Sept 5	18
Price-fixing suit settled.	May 9	19	Cosmo Expo 7-Marketing conference and exhibition.	May 2	50	Expected shortage of cotton: a sticking plus for rayon markets.	June 6	28
Contraceptive Devices—Robins' Dalkon Shield-brand intrauterine contraceptive device lawsuit: Jury says Robins must pay \$6.8 million.	Aug 8	20	Costs			USDA researchers petrify cotton.	Jan 17	27
Stockholders get new try in A.H. Robins suit.	Oct 3	25	American Insurance Assn. report shows insurers are concerned about chemical losses.	May 30	21	Crutchfield, Jim, vice-president of marketing of Avtex Fibers Inc.: He weaves a new career from familiar materials.	Mar 28	64
Contractors			ASME's Industrial Power Conference: emphasis on the practical aspects of cutting energy costs.	Oct 31	46	Culp, E. Harold, deputy group executive of Grace's Agricultural Chemicals Group: This fertilizer exec works farmer's hours.	Oct 17	96
American firms can expect to receive fewer energy-development contracts from Middle East says Parsons' Leonhard.	Oct 10	28	Celanese anaerobic-filter waste-water treatment system cuts costs, generates energy.	May 23	42	Cumene-Prices.	Feb 14	30
Worldwide engineering and construction industry in 1980: here's the way it looks to contractors (table).	Dec 19	75	Celanese's Pampa, Tex. plant switches from natural gas, but burning coal is not yet economic.	Nov 21	48	Curing Agents—Moca in doubt; regulations may force processors to change cast-urethane specialties.	June 13	48
Controls			CPI operating costs: How 1979 increases shape up (charts & table).	Jan 17	15	Custom agents compare notes on controlled substances.	Mar 7	42
Beckman Instruments offers distributed process control.	Mar 14	37	Coal conversion rules may be 'uneconomical' Regulatory Analysis Review Group (RARG) finds.	Mar 21	26	Cyanocrylates		
N Control instrumentation: new systems aim at world market (chart).	May 2	55	Coal conversion technology: Pittsburgh conference zeros in on coal-gasification processes (tables & diagram).	Aug 8	32	Cyanocrylates seek role as surgical adhesives.	Aug 29	51
Flammable-gas detector, thermal sensing device, looking for work in chemical plants.	Aug 8	36	DOE contract to Rand Corp. to seek cost data on pioneer process plants.	Feb 7	35	Engineering adhesive outlook sparkles for acrylics, cyanocrylates (table).	Mar 21	39
Foxboro's microprocessor-based systems for distributed control called Spectrum.	Apr 25	48	Diesel-fuel availability eases but wary shippers eye costs.	July 18	52	Cyanogen—Cyanogen from hydrogen cyanide and oxygen: ACS meeting.	Apr 11	45
Packed-column scrubber known as an autocooler takes vapors at J.P. Stevens' Wallace, N.C. plant.	May 30	59	Fluor puts costs to attain 1990 synfuels goal at more than \$100 billion.	July 25	46	Cyanohydrin-Prices.	Apr 18	23
			Investments in worker safety and health: McGraw-Hill Economics Dept. survey (table).	May 30	59	Cyclohexane—Production up.	N Aug 29	33
			Maintenance costs in 1978: Plant maintenance tops \$1 billion (table).	July 25	48			
			'79 bargaining: labor pacts will boost construction and operating costs (table).	Jan 24	11			
			OPEC price hike will put the squeeze on CPI profit margins.	Jan 3	17			
			-Correction.	Jan 10	21			
			Plant sites 1980-report. John M. Winton					
			How industrial power costs, charges for coal, oil and gas and reserves compare (table).	Dec 5	78			
			How transportation shipping costs compare (table).	Dec 5	81			

Michigan finds PCB, DDT levels drop in Great Lakes fish	Feb 21	25	FDA bans use of DES as feed-grain additive	July 11	14	DNA-derived drugs: Hormones and vaccines may reach the market in two or three years	June 27	32
Dairy industry—Q3 report, Homer G. Starr (tables) Feb 28-30, Apr 25-42, May 30-47, Aug 29-38	Nov 21	42	Lilly, Eli & Co.'s DES case: Jury awards damages in DES case	July 25	21	'Drug Regulation Reform Act'		
Dechema-ACHEMA 1979: Less browsing, more specific interest in investment. Silke McQueen	July 4	42	Dimethyl Terephthalate	Apr 26	27	FDA resurrects its 1978 drug-reform bill	Mar 21	23
Some musings on the meaning of ACHEMA 79—Viewpoint	July 11	5	Availability tightens	Feb 14	43	Drug-regulation reform proposals draw praise	Mar 28	18
Deformers—Prices	May 2	49	Iran crisis blamed for Thai DMT shortage	Feb 14	43	Kennedy bill wins key support: Committee on Labor and Human Resources endorses bill	Aug 8	20
Dehydrogenation—Catalysts report. Donald P. Burke (charts & tables) Part II: Chemicals—Dehydrogenation	Apr 4	54	Dioxin	Sept 19	25	Kennedy's drug bill takes a step forward	Oct 3	14
Del Duca, Betty S., manager of international crude-oil supplies for Standard Oil Co. (Ohio): She's a Ph.D. chemist with lots of curiosity	Jan 17	48	Dow's findings that dioxins are natural products off all combustion: researchers dispute claims	July 18	26	Estrogen use linked with uterine cancer in new study	Jan 10	18
Dental Products			Great Lakes cleanup: Good news, and bad	Aug 15	14	Europe's drug makers open attack on price controls (chart)	May 16	33
Cast dental prosthesis made from a titanium-based alloy tested	Mar 28	40	HEW compiling list of workers exposed to dioxin	Feb 14	13	French tax authorities look at Abbott Labs	Nov 14	41
Researchers seek acrylics that bond to teeth	Feb 14	35	Faulty reporting of Seveso birth defects charged	Feb 28	24	Generic drugs: HEW proposes model state law to boost use of generic drugs	Jan 17	14
Toothpaste see Toothpaste			Special commissioner under investigation	Mar 7	24	Gout drug, Anturane: FDA panel recommends approval of gout drug to prevent heart attacks	Dec 5	66
Deodorizers—Carpet freshener sales are cleaning up	Nov 28	46	Seveso cleanup still not solved	July 18	23	HEW will halt Medicare, Medicaid payments for ineffective drugs	Dec 5	18
Deoxyribonucleic Acid see DNA			Seveso contamination studied in three deaths	Sept 26	20	Heart drug approved for migraine headaches	Mar 7	35
Desliting see Water Treatment			National Institute of Environmental Health and Safety animal experiments on dioxin look for birth defects	Aug 15	14	Hoffman-LaRoche agrees to sex-bias settlement	May 23	19
Desulfurization			2,4,5-T see 2,4,5-Trichlorophenoxyacetic Acid			Ilosone: Lilly fights FDA ban	Sept 12	20
American Cyanamid boosts capacity for hydrodesulfurization catalysts in England	Sept 25	32	Diphenyl Methane Diisocyanate (MDI)—BASF Wyandotte starts first MDI operation at Geismar, La.	Oct 24	13	ICI Americas Stuart Pharmaceuticals plant, at Newark, Del., expansion	Sept 5	23
Davy Powergas to market lime-based flue-gas desulfurization system	Apr 25	48	Diphenylamine—Rubicon ups capacity	Jan 24	37	Interferon see Interferon		
Flue-gas desulfurization (FGD) major growth prospect for lime	Apr 11	30	Disinfectants—NRC committee calls for research on water disinfectants' effects	June 20	56	Jobiba plant may become a source of pharmaceuticals	Feb 7	31
Kuwait awards contracts to Union Oil for hydrodesulfurization units	Oct 31	23	Disposables—Superabsorbents seek markets that are super	July 18	40	Labeling: FDA panel calls for limits on labeling of nonprescription drugs	Mar 21	18
Nahcolite will be tested for sulfur removal in coal-fired power plant	Oct 31	40	Distillates—Exxon Chemical expands distillation operation at Baton Rouge, La.	May 30	13	Laxatives: Richardson-Merrell's new laxative Chronulax: Patients do not develop addiction when using prescription product	Oct 24	50
Detectors—Flammable-gas detector, thermal sensing device, looking for work in chemical plants	Aug 8	36	Distillation—Ventron study shows sodium borohydride may help distillation efficiency	June 6	35	Laxatives market	Oct 24	50
Detergents			Distribution see Shipping; Transportation			Live-cell implants: encapsulated pancreas cells may help in treating diabetes	Apr 25	53
Arab countries will build synthetic-detergent plant	Nov 14	76	DNA (deoxyribonucleic acid)			Mallinckrodt's missing radioactive drugs sought by NRC	Aug 15	18
Canada: Law dissolves soap and detergent raw materials at Canadian specialists meeting	Oct 31	34	Life-form patent case to be heard by Supreme Court	Nov 7	20	Monsanto's anticancer drug NED 137: human trials start on experimental drug	June 27	31
Car-wash chemicals: sales outlook; pressure is on to recycle	May 9	36	Nobelists Baltimore at Midland meeting: the promise of genetic engineering	Oct 31	29	Cancer drug shows promise but	June 1	29
CSMA meeting topic	May 23	33	Correction	Nov 7	24	NCI finds four drugs to be carcinogenic	May 9	14
Chemical Week 300-report, Homer G. Starr (tables) Feb 28-41, Apr 25-35, May 30-49, Aug 29-38	Nov 21	38	Research			Penick Corp. custom agents compare notes on controlled substances	Mar 7	42
Detergent packaging hit in consumer poll as toughest packages to open	Oct 24	51	DNA is on the way to chemicals	Sept 26	34	Platinum-based drug, cisplatin, to treat testicular, ovarian cancers approved by FDA	Jan 3	34
EPA's Engler describes "soil load test" at CSMA meeting	Dec 12	39	Du Pont joins the DNA race	May 9	18	Platinum set to shine in anticancer drug therapy	Jan 31	42
FMC study on special problems for industrial detergents	Nov 28	28	HEW relaxes rules for gene-splicing research	Jan 3	18	Polypeptide drug COP, shows promise in treating multiple sclerosis	Nov 14	51
Household-product sales: How the Big Three dominate the market (chart)	Jan 24	44	More firms join the DNA race	June 27	32	Proprietary drug industry: Cosmo Expo? Puerto Rico: problems in paradise—report, Meyer Lurie (charts & tables)	Apr 11	50
Lignosulfonates bid for jobs in tertiary oil recovery	May 30	55	Letter	Aug 1	6	Reserpine: JAMA's Barclay blasts HEW reserpine study	Aug 29	22
Wood chemicals inject new life into tired oil wells	June 20	65	NIH may soon relax DNA guidelines	Sept 19	22	Scherer AG and Cooper planning collaboration	June 20	17
Phosphate detergent ban enacted in Japan	Oct 24	31	NIH panel gives nod to DNA work on vaccine	Dec 19	22	Sleeping aid, Unisom, from Pfizer	June 27	27
P&G expanding Staten Island, N.Y., surfactants study	Feb 14	9	Research teams use recombinant DNA to make growth hormone	July 18	25	Squibb found to be out of line with price guidelines	Sept 19	18
Surfactants study	Nov 7	41	Searle makes flu virus antigens in bacteria	May 30	20	Squibb's pregnancy-test drug Gestest: company settles suit over birth defects out of court	Jan 17	21
Zeolites see Zeolites			Upjohn produces large protein—chicken ovalbumin—by recombinant DNA techniques	Jan 3	18	Succralfate—metal complex to treat stomach ulcers: approval sought	July 11	25
Deuterium Oxide: Argentina's heavy-water plant construction gets three bidders	Feb 21	37	Dodecylphenol—Prices	Sept 26	46	Syntex anti-arthritis drug: lawsuit settlements near	Feb 28	22
DBCP (1,2-dibromo-3-chloropropane)			Doxycycline—Importers backed by Justice Dept. in dispute with Pfizer	Feb 14	23	Anti-inflammatory drug approved for more uses in Japan	June 6	30
Armac Chemical cited for failure to report DBCP use	Feb 7	18	Drafting—Computers bring speed, and professional quality to engineering drawings	Feb 14	37	FDA accepts new test data	Aug 8	22
Armavac told to cut DBCP emissions by California's DOSH	May 16	26	Drew University—Corporate aid to education	May 2	62	Ticynafen trademarked Selacyn, will be marketed by SmithKline	May 9	21
California orders Oxy to halt pollution at Lathrop, Calif., fertilizer and pesticide plant	Apr 4	23	Drilling—Natural gas: Drillers will tap two gas formations with single well in Trumbull County, O.	Apr 25	48	Turkish chemical industry: economic problems curb CPI output, petrochemical buildups	Mar 28	39
California plans to seek civil penalties at disclosure of memo implicating Oxy in water-pollution cover-up	June 27	23	Drilling see also Petroleum			Vaccines		
EPA bans most remaining uses of pesticide DBCP	Nov 7	14	Drilling mud see Oil-field Chemicals			Hepatitis B vaccine from Merck shows promise	Feb 14	17
EPA suspends use	July 25	24	Drugs			NIH panel gives nod to DNA work on vaccine	Dec 19	22
HRG calls for study of DBCP contamination	June 27	25	Acne drug: NCI researchers report success with 13-cis-retinoic acid	Feb 21	18	Searle makes flu virus antigens in bacteria	May 30	20
Diesel Power			Advertising: FTC may ease advertising rules for over-the-counter drugs	Jan 10	23	Smallpox vaccine market lingers on	Dec 5	43
Aerosols from diesel exhaust to be studied by EPA	Feb 14	35	Amphetamines: FDA wants to curb abuse of pep pills by banning their sale as diet drugs	July 25	14	Vallium: Hoffman-La Roche promotional campaign criticized	Sept 19	27
DOE will study impact of diesel emissions on health	May 2	53	Anti-arthritis agent, Feldene, introduced in Switzerland by Pfizer	Oct 3	43	Veneral disease: drug, 2-deoxy-D glucose cream, offers hope for cure of persistent venereal disease	July 4	39
Diesel fuel: en... agency allocations pinch some shippers	June 20	18	Antibiotics see Antibiotics			Drugs—Hexagonal corrugated-board drum gain foothold in chemical markets	Jan 10	29
Diesel-fuel availability eases but wary shippers'eye costs	July 18	52	Antiviral drug may have value against common cold	Dec 5	66	Dyes and Dyeing		
Diesel-fuel shortage hits chemical carriers	July 4	28	Asian countries plan a common market for drugs	Sept 19	39	Benzidine-based dyes: NIOSH warns benzidine dyes may be carcinogenic	Nov 21	14
N,N-diethyl-meta-toluamide (Deet) — insect repellent ingredient	July 4	34	Aspirin: can aspirin cut the risk of heart attack? Results of several studies, due out early next year, should clear up questions	Oct 3	62	NIOSH asks end of commercial use	Dec 5	65
Diethylstilbestrol (DES)			Aspirin: Rhone-Poulenc expands aspirin capacity	Nov 7	48	Du Pont to drop dyes and U.S. isocyanates	June 13	21
Chicago jury awards cancer victim \$800,000 in verdict against Schering-Plough	Sept 5	19	Canada patent law sparks drug controversy: Novopharm applies for license for ulcer-drug similar to SmithKline's Tagamet	Oct 10	51	Du Pont has buyers for 80% of dyes business	Dec 12	21
DES cancer risk may be lower than thought	Mar 21	25	Cells: method shows how drugs affect cells	Jan 17	27	Hair dyes see Hair Dyes		
			Chemical Week 300-report, Homer G. Starr (tables) Feb 28-41, Apr 25-30, May 30-49, Aug 29-37	Nov 21	36	Overcapacity and intense competition impels 4 dye-makers to sell out; others dig in (charts & tables)	July 4	16
			Cobalt-polymer catalyst provides low-cost route to steroids, hydrocarbons	June 13	23	Correction	July 11	17
			Contraceptives: competition for 'the pill' shapes up in lab; injections, implants now under study release drugs slowly, eliminating peaks	Oct 17	51	Letter	Aug 1	6
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Corporate aid to colleges is on the upswing	May 2	62	Insulin-producing living cells are encapsulated for the first time	Apr 4	37	Water: Novel technique to recover energy from water	Dec 5	67
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Elastomers			ASME's Industrial Power Conference: emphasis on the practical aspects of cutting energy costs	Oct 31	46	AICHE meeting message: new rules for hazardous wastes: burn them, bury them, or change them	Aug 29	44
Auto production cuts will have mixed impact on many chemical suppliers . . .	Aug 22	18	California controversy imperils research at two federally-funded labs	Dec 19	73	AICHE's 72nd annual meeting highlights energy recovery and conservation . . .	Dec 5	67
Du Pont boosting capacity of Hytrel copolyester	Apr 18	30	Carter's energy package			Brazilians push plans to manufacture methanol from eucalyptus trees	Mar 14	38
Moca in doubt; regulations may force processors to change cast-urethane specialties	June 13	48	Carter unveils plans to decontrol oil prices and foster energy R&D	Apr 11	21	Catalysts: Off-site catalyst regeneration cuts catalyst-renewal cost	Feb 21	53
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DOE thinks power at dam sites can make hydrogen economically	Feb 28	48	Carter warns of tradeoffs between energy, environment	Aug 8	14	Earthquake warning for chemical plants studied	May 9	34
Dow Chemical Co. asks for permission to import electricity from its Sarnia, Ont., facility for use at its Midland, Mich., plant	May 23	21	Celanese anaerobic-filter waste-water treatment system cuts costs, generates energy	May 23	42	Energy-saving ideas need industrial tryout (chart)	Mar 21	36
Electrical field may help recover oil from shale	Oct 24	38	CPI feat: scrimping on fuel oil	June 20	20	Engineering fabrics provide solid support for roads, drainage systems	June 6	32
Electricity from coal by MHD tested. N Gulf Western auto batteries will get a test in storing electricity for utilities	Feb 14	35	CPI operating costs: How 1979 increases shape up (charts & table)	Jan 17	15	Infrared scanning detects hot spots in chemical plants	Mar 28	35
Hawaiian demonstration plant converts ocean's heat energy into electricity. N Monsanto becomes a member of the Electricity Consumers Resource Council (Elcon)	Nov 28	34	China, too, faces energy and growth problems	July 11	36	Radial-flow converter to make sulfuric acid saves energy	Apr 25	58
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—Correction	June 20	28	Companies take steps to help employees cope with the energy crunch	July 18	36	Single-cell protein: Linde says using oxygen instead of air raises single-cell protein yield	Aug 1	28
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TVA raises rates 6.5%; valley clients protest	Feb 28	23	DOE contract to Rand Corp. to seek cost data on pioneer process plants . .	Feb 7	35	Thermal energy "storage battery" systems will cut home heating costs in half	May 16	48
Rolls back increase slated for Apr. 1. R Electrical-discharge Devices—TVA tests new igniter for coal-fired units	Mar 25	25	DOE rule expands reporting on energy use and basic-materials recovery from scrap to waste	Jan 17	19	Underground storage tanks: Steel, plastics bid for storage tank sales	Sept 19	52
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Alkzona Inc. acquires General Circuits, Inc. and Garry Manufacturing Co. . .	Aug 15	13	Electric power shortages see Electric Power Generation			Environment		
Ametek, Inc. files for patents on thin-film semiconductor materials that can be used to make low-cost photovoltaic solar cells	Nov 7	47	Indians: CERT and DOE continue energy talks with Indians	Aug 22	19	Acid rain: Get science off the streets and back into the labs—Viewpoint . .	Nov 14	15
Auto suppliers: CPI will fuel Detroit's efficiency drive (table)	Sept 19	20	Jackson's omnibus energy bill: amendment would weaken clean-air standards says Muskie	July 18	18	—Letters	Dec 19	52
Computers bring speed and professional quality to engineering drawings	Feb 14	37	Japan's chemical industry makes comeback: tighter belts fatten Japanese CPI's profits (charts & tables)	Sept 26	54	Acid rain: International agreements aimed at finding ways to prevent acid rain	Dec 5	69
Control instrumentation: new systems aim at world market (chart)	May 2	55	Oil shortages see Petroleum			Administration pushes export credits, softens environmental restraints . . .	Jan 17	17
Specialty chemicals discussed at CMRA meeting	Feb 21	40	Energy or environment? Something has to give—Viewpoint	Aug 22	5	Alaskan pipeline see Piping		
Tedlar polyvinyl fluoride film developed by Du Pont may cut cost of printed circuit boards	Sept 19	43	—Letters Sept 19-5 (letter)	Nov 14	9	Amax's Mount Emmons, Colo. moly project faces uphill fight: Amax hopes to show mining and skiing can coexist	Aug 15	33
N Tiny components = big markets (table) .	Nov 21	15	Energy-saving ideas need industrial tryout (chart)	Mar 21	36	API told justice will get tough with polluters	June 20	27
Electroplating			Europe: CEFIC study finds further energy savings will be difficult for Europe's chemical firms	Sept 12	41	Carter warns of tradeoffs between energy, environment	Aug 8	14
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EPA issues new standards for effluents from electroplating plants	Sept 12	14	Fusion power see Atomic Power			Energy or environment? Something has to give—Viewpoint	Aug 22	5
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Pulse energization boosts efficiency of electrostatic precipitators by up to 100%	June 27	31	Other views: "The coercive Utopians: their hidden agenda." H. Peter Metzger, How "Coercive Utopians" may get their way	Aug 8	5	Environmental manager face some solid problems: Research & Forecasts survey of environmental issues	Feb 21	41
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Affirmative action: Merck & Co. agrees to spend \$3.2-million for affirmative action	July 4	14	How industrial power costs, charges for coal, oil and gas and reserves compare (table)	Dec 5	78	—Letter	Nov 7	8
Affirmative-action priorities poll	Aug 29	49	Radial-flow converter to make sulfuric acid saves energy	Apr 25	58	Innovation lag blamed on environmental safety rules Jan 24-40	Jan 31	19
Chemical engineering graduates are in short supply, industry finds	Nov 14	78	Regulatory Council's docket of proposed 1980 rule-making actions	Dec 12	19	Investments in worker safety and health: McGraw-Hill Economics Dept. survey (table)	May 30	59
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Chemists: glut again?—letter	Mar 28	5	Senate offers energy bill, stresses synfuels	June 20	23	Lock and Dam 26 clears major legal hurdle	Oct 31	39
Great Britain: ICI moves to improve productivity, will cut staff	May 9	40	Specialty chemicals discussed at CMRA meeting	Feb 21	40	Occidental Petroleum's Mersel, says company hopes to conclude a "positive agreement" with Michigan authorities concerning environmental efforts . .	Oct 17	28
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			Trans Energy Systems French—U.S. joint venture will market cogeneration, district heating systems	Sept 26	32	Spanish CPI faces pollution cutbacks to help reduce pollution	Oct 10	40

Strip-mining bill is "poorly suited" to non-coal mining says NRC report . . . N	Dec 5	65	Biomass to ethanol without fermentation: Experimental technology for turning corn husks, rice hulls and pine trees into ethanol . . . Nov 28	38	Spain's Petronor shelves plans for ethylene plant . . . Aug 1	32	
Synthetic fuels see Fuel			Brazil: ethanol-methanol debate . . . Nov 28	49	Spanish plant at Huelva approved . . . N	Aug 1	32
Toxic levels on sprayed farmlands measured with new device . . . N	Nov 14	51	Brazil steps up use of ethanol in automobiles . . . Sept 26	53	Ethylene project delayed again . . . N	Oct 10	22
Toxicology Forum: needed - better studies of links to cancer . . . Feb 14	39		Fermentation studies try to boost yields, cut process time . . . Aug 8	42	Thermal Regenerative Cracking (TRC) process that can make ethylene from resin to get pilot plant test . . . N	Oct 24	38
U.S. Criminal Code revision contains new felony offense called "endangerment" . . . Dec 12	26		-Letter . . . Oct 10	5	Ethylene Diamine Tetraacetic Acid-Stained glass: conservators and restorers are turning to a host of chemical specialties . . . Dec 19	82	
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White House economists interference in regulation writing challenged by environmentalists . . . N	Jan 24	10	Gasohol		Oxirane shuts down ethylene glycol plant at Channelview, Tex., for an "indeterminate period" N Nov 28-34 N	Dec 5	17
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Environmental Protection Agency			BATF receives applications for experimental plants . . . May 9	23	Ethylene Oxide		
Beck, Eckardt C. will head the agency's water programs; Sweep T. Davis and James N. Smith also receive appointments . . . Sept 19	18		Brazil chemist Pimental describes his country's gasohol program at ACS meeting . . . Sept 19	44	Prices N Mar 7-32, Mar 14-20 . . . N	June 13	36
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EDF sues EPA over recent ban on PCBs . . . June 20	18		New federal and state financial incentives may get the fledgling gasohol industry in gear . . . Oct 31	45	Europe		
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HAOS study proves EPA's ozone standard "should be re-examined" . . . Aug 1	18		Plant feasibility study is underway for Wisconsin co-ops . . . Sept 19	43	CECIC says oil shortage and high costs pose problems in Europe . . . N	June 20	45
New study challenges EPA's ozone policy . . . Aug 15	36		Resolved: to become a "Positive Thinker" on gasohol-Viewpoint . . . Oct 24	5	CECIC study: further energy savings will be difficult for Europe's chemical firms . . . N	Sept 12	41
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Jellinek discusses new approach to clearing biorational pesticides . . . July 4	39		Octane pinch: Suppliers are readying new gasoline additives for use when lead is phased down (chart) . . . Apr 11	43	Drug makers open attack on price controls (chart) . . . May 16	33	
Monitoring plan for toxic substances readied . . . Aug 22	36		Prices N Mar 7-32, N June 13-36 . . . Dec 12	32	EEC: Greece will join Common Market in 1981, inviting stiff domestic competition . . . July 18	39	
"One-stop permitting" regulations proposed . . . June 27	18		Single-cell protein process: Linde says using oxygen instead of air raises single-cell protein yield . . . Aug 1	28	EEC and developing nations draw up new trade and aid agreement . . . N	July 18	38
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Regulatory Council's calendar: chemical industry ranks sixth . . . Dec 5	42		Stauffer expansion at Weston, Mich. . . Feb 14	18	Kaiser and Estal plan a European combination of aluminum operations . . . N	July 25	13
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SOCMA chides EPA for its handling of chemicals inventory . . . N	Aug 1	10	Australia: CPI buildup . . . Feb 28	52	Market-research reports on flavors and fragrances, cosmetics, amino acids . . . June 27	40	
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Settlement may get tied up in court . . . May 2	18		Cabo Negro joint venture . . . N	Aug 1	Monsanto may drop European nylon business . . . N	May 16	17
TVA admits to error on steam plant scrubbers . . . Aug 8	21		Canada: capacity expansions set . . . N	May 9	Monsanto withdrawing . . . R	July 4	22
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Ethanol: fermentation studies try to boost yields, cut process time	Aug 8	42
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Novo Biochemical Industries enzyme fermentation plant in Franklin, N.C.	Mar 28	40
Pfizer opens fermentation recovery R&D center in Groton, Conn.	Aug 8	22
Single-cell protein process: Linde says using oxygen instead of air raises single-cell protein yield	Aug 1	28
Ferric Chloride-Price	Sept 26	46
Ferroalloys-Airco, Inc. sells ferroalloys plant in Charleston, S.C., to Macalloy, Inc. N May 16-17	July 25	24
Ferromanganese-Explosion in UC's ferromanganese furnace at Beauharnois, Que. plant	Jan 17	22

Fertilizer Institute

Annual marketing conference: Sales: good this year, better next	June 20	34
Annual meeting: optimism is the keynote (chart)	Feb 14	31
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Baker comes back strong, but stays lean	Nov 28	28
Brazilians find alcohol by-products are efficient fertilizers	Dec 12	50
California orders Oxy to halt pollution at Lathrop, Calif., fertilizer and pesticide plant	Apr 4	23
California plans to seek civil penalties as disclosure of memos implicate Oxy in water-pollution coverup	June 27	23
Chemical Week 300-report, Homer G. Starr (tables) Feb 28-37, Apr 25-29, May 30-48, Aug 29-36	Nov 21	38
China's chemical output grows, but government slows development (table)	July 25	37
China's growing chemical shopping list (table)	Jan 17	20
Colorado plans fertilization of farmlands with sludge	Feb 28	23

Demand forecast: shipments, prices etc. (chart)	Apr 25	19
Demand sets a new monthly record-FI report	July 11	23
Developing countries' fertilizer's potential continues to be big	Mar 14	40
Estech acquires some fertilizer interests from Agric Chemical	June 20	17
Fertilizer record is predicted for 1979-1980-FI report	Aug 29	33
Forecast: domestic consumption will break all records	Sept 5	66
Forecast optimistic: FI's annual meeting (chart)	Feb 14	31
Inventories drop sharply N Oct 24-28 N Iran: Davy and H&G terminate contracts	May 16	35
Italian chemical firms sign pacts with Russia	Nov 7	48
Movemental picking up	Jan 17	35
NASA study says SST flights, fertilizers may enhance ozone layer	Jan 10	33
Nitrogen fertilizer produced by solar power	Aug 8	31
Norsk Hydro acquires NSM to strengthen fertilizer position	Sept 19	39
Occidental Chemical plants plant near Dibbles Point, Ore.	Feb 28	24
Oil and chemical: Era of peaceful co-existence?-report. Meyer Lurie (tables)	Oct 17	70
Oil companies' share of chemical production capacities	Oct 17	74
Oxy deal with Saudi Arabia	May 30	18
Philippines government will go ahead with construction of phosphate fertilizer plant	Nov 21	28
Phosphate fertilizer exports: Justice broadens probe	Feb 7	29
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Sales: good this year, better next-FI's annual marketing conference	June 20	34
Saudi Arabia: Pullman Kellogg picked to design fertilizer plant	Sept 5	69
TVA's "fallen curtain" process cuts fertilizer costs	Sept 26	23
TVA's researcher: Noreps reports air pollution rules may be taking sulfur out of green plants	Feb 21	23
UN will sell fertilizers to developing countries below market prices	Feb 21	48
Uranium wastes being tested as fertilizer for cattle feed	Oct 24	43
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World Fertilizer Conference (4th): Confers warn about fertilizer problems	Oct 3	23
World fertilizer study, IFDC, TVA sees tightening markets (chart)	May 16	31
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Carpet fibers: Housing slump hasn't hurt carpet fibers (chart)	Nov 21	25
China's growing chemical shopping list (table)	Jan 17	20
Common Market hits U.S. fiber imports. Courtzaids and UMBM some ground joint ventures to make and market spun-woven fashion fabrics	June 13	42
Du Pont Kevlar aramid fibers projects will triple capacity	May 30	13
Du Pont's Kevlar will be used on Army RPVS	Sept 12	20
Engineering fabrics provide solid support for roads, drainage systems	June 6	32
European Common Market Commission ban on aid to fiber makers will be extended	June 20	45
German fiber makers still in red	Dec 5	24
Great Britain's Margaret Thatcher. She's having an impact on CPI. Tim Keeley (charts)	Oct 24	32
Hollow-fiber device separates hydrogen from waste-gas streams	Nov 21	46
India's CPI is stalled by political crisis (tables)	Sept 19	36
Italian chemical firms sign pacts with Russia	Nov 7	48
Italian fiber makers gain some ground in Italy: new government supports recovery plans	Aug 22	35
Italy: Snia Viscosa plans four plant closings this month	July 11	36
Jamaica's new free-trade zone at Kingston poses new threat for synthetic-fiber makers	Jan 3	40
Japan's chemical industry makes comeback: tighter belts fatten Japanese CPI's profits (charts & tables)	Sept 26	54
Makers raise prices as they head into year of modest growth (charts)	Jan 17	38
National Boat Show: fibers find niche	Jan 24	15
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Potassium titanate fibers will bid for insulation and plastics jobs	Mar 28	34
Prices N Jan 31-24, N Apr 4-29	Aug 1	20
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Synthetics will have larger cost advantage as oil tabs rise (charts)	Mar 28	19
UC to build carbon fiber plant at Greenville, S.C.	Jan 24	9

U.S. fiber exports worry Europeans . . .	Aug 8 17	Commercial finance enables companies to use money they have yet to collect as collateral for a loan . . .	June 6 40	having a impact on CPI. Tim Keesley (charts) . . .	Oct 24 32
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Australian oil industry wants to use filters to cut lead emissions . . . N	Aug 15 38	Puerto Rican government will hold talks concerning the \$50 million Corco allegedly owes . . . R	Jan 10 21	Hercules Giacco reports to New York analysts . . .	Feb 21 22
Celanese anaerobic-filter waste-water treatment system cuts costs, generates energy . . .	May 23 42	Arabian Seacell agrees to \$7 million deal . . . N	Mar 24 14	Hercules a year ahead on earnings goals -Giacco tells security analysts . . .	Dec 5 24
Home water-filtration devices ineffective in removing trihalomethanes tests done for EPA indicate . . . N	June 27 18	Corco's common stock trading . . . R	Mar 7 13	Inflation fight heats up with war of words: CPI executives angered by criticism from COWPS' Kahn . . .	Apr 4 31
		Corco emerging from Chapter XI on its own? . . . N	June 20 28	Interests rates: despite high rates CPI firms raise \$1 billion on the outside (tables) . . .	Oct 10 16
Financial		Corco to pay Puerto Rico \$75 million. Corco settles claims, has takeover offers . . .	July 4 13	International activities of U.S. chemical companies . . .	May 30 19
Air Products and Chemical's Baker report to Houston analysts . . .	Mar 14 17	Confidence Board Measure of Business Confidence survey: Confidence in the future of the chemical industry falls in second quarter . . . N	Dec 5 22	Iran: Political-risk coverage in Iran only \$54 million . . .	Dec 5 21
Alko may trim operations to boost profitability . . . N	May 2 60	Corporate aid to colleges is on the upswing . . .	June 27 17	Iranian crisis: what toll in trade? . . .	Nov 21 17
Alkoma Inc. diversification payoff: Ramsey before the New York Society of Security Analysts . . .	May 9 18	Currency: fluctuating currency exchange rates can help, or hurt, overseas profits . . .	May 2 62	Italy: Ailing Italian firms may get new financing from banks . . .	Jan 17 32
Alkoma, PPG boost sales and earnings: third quarter . . .	Oct 17 23	DOE is readying shale-oil loan guarantees . . .	Dec 12 63	Italy: Arab stockholders will take close look at Montedison's finances . . .	May 30 28
Alaska wants investor to develop coal fields . . .	Sept 19 39	DOE seeks \$9-billion budget for 1981 . . .	Nov 28 23	Italy: Creditors seek repayment plan as CPI losses exceed \$1 billion (table) . . .	Jan 31 32
Alaskans could get a share of oil pipeline under proposed stock plan . . .	Mar 7 46	Dexter bets on growth throughout downturn . . .	Dec 5 26	Italy: Kuwait puts lien on SIR's Sardoil oil refinery . . .	Aug 15 29
Allied charts a new course: Edward Hennessey sets quick pace in search of higher profits . . .	Nov 7 42	Diamond Shamrock sales and earnings second quarter '79: some recession signs . . .	Aug 8 19	Italy: Montedison gets some debt-payment relief . . .	Feb 14 43
Allied Chemical's annual meeting: some touchy issues . . .	May 2 19	Dividends: Despite recession rumors, CPI companies boost dividend rates (chart & tables) . . .	July 18 26	Italy: Montedison's sales and earnings for '78 . . .	Apr 4 44
Alusuisse reports setbacks in 1978 . . . N	Apr 18 26	Dividends advance despite the downturn (table) . . .	Feb 14 10	Italy: Montedison, unions move to force government to solve Italy's CPI problems . . .	Apr 25 17
American Cyanamid counting on record 1978 earnings . . .	Jan 3 20	Dow, at odds with Michigan State over South Africa policy . . .	Sept 19 23	Italy: Montefibre asks for help to avoid bankruptcy . . .	Aug 8 26
American Cyanamid's diversification: Affleck at Cleveland Society of Security Analysts . . .	May 9 18	University will accept Dow's contributions . . .	Jan 17 34	Italy: new government's support for recovery plans . . .	Aug 22 35
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Arco net to be trimmed by closing of Oxirane's Channelview, Tex. ethylene glycol plant . . .	Dec 5 17	Du Pont dividend hits record level . . .	Mar 28 5	Italy: SIR's problems move toward solution . . .	Feb 14 43
Ashtand Oil: Diversification was part of corporate strategy to tighten up, sort out; chemicals still play big role . . .	Mar 21 43	Du Pont planning to hedge against shortages . . .	Nov 28 25	Italian banks move to bail out SIR finances . . .	May 23 20
Badische Corp. sees stronger sales growth ahead; capital spending plans . . .	Jan 17 17	Du Pont plans big investment in Brazil N	June 6 13	Japan: chemical companies report improved sales and earnings in first-half fiscal 1979 . . .	Nov 28 42
Borrowing: despite high interests CPI firms raise \$1 billion on the outside (tables) . . .	Oct 10 16	Du Pont sees overseas business growth ahead: Simeral at San Francisco security analysts meeting . . . N	Feb 7 13	Japan's chemical industry makes comeback: tighter belts fatten Japanese CPI's profits (charts & tables) . . .	Sept 26 54
Brazil devalues currency, changes trade rules . . .	Dec 19 26	Du Pont's stock split is a major production . . .	Sept 26 13	Japan's CPI is exporting capital as well as goods: Japanese companies now have 19 CPI affiliates in U.S. (charts & tables) . . .	June 6 16
Brazil's inflation rate will exceed 70% this year . . .	Dec 5 51	Du Pont Canada's investment program is paying off . . .	June 13 45	Japan's CPI snaps out of slump (table) . . .	June 13 42
Business slowdown: When GNP falters, will CPI flourish? (charts & table) . . .	June 27 20	Eastman Kodak's capital expenditures in 1979 will be \$600 million, 30% for chemicals . . .	Nov 21 28	Japanese chemical and fiber sales and profits up sharply (table) . . .	Nov 21 33
Canada's chemical industry is growing steadily, despite sluggish economy (chart & tables) . . .	Apr 11 49	Educational effort by business called "feedie" . . .	Jan 24 9	Japanese chemical outlays will rise in fiscal 1979 . . .	Dec 12 56
Capital appropriations reports-Conference Board N Mar 14-13 . . . N	Sept 5 13	Europe's nine-month results are encouraging . . .	Aug 29 49	Japanese CPI plans to increase spending N	May 23 30
Capital spending: CPI outlays up, following rise in operating rates (charts & tables) . . .	May 9 15	FMC's Tower reports to N.Y. security analysts . . .	Dec 5 51	Johns-Manville signs credit deal with 12 banks . . .	Jan 10 13
Capital spending: Europe spends big for little new capacity (tables) . . .	Mar 21 29	Federal budget: Pared down budget bets on long-term research (table) . . .	Feb 21 22	Kennecott Copper's Barrow reports to Salt Lake City financial analysts . . .	Feb 21 22
Capital spending: Oilers step up outlays for plants, feedstocks . . .	Nov 7 17	Federal Reserve Board's actions to tighten credit: CPI has mixed feelings . . .	Jan 31 14	Kerr-McGee expansion plans outlined by Dean A. McGee before N.Y. security analysts . . .	Feb 7 21
Capital spending: PPG to boost outlays; sees no 1979 "nose-dive" -Williams and Burrell report to N.Y. security analysts . . .	May 30 19	Financial Accounting Standards Bd. study of effect of its statement on foreign currency fluctuations finds no effects on common stock prices of multinationals . . .	Oct 17 22	Locitex's growth plan: sticking to specialties . . .	June 13 19
Capital spending abroad to rise: McGraw-Hill Dept. of Economics survey of overseas operations of U.S. industrial companies (table) . . .	Aug 29 22	FASB wants more data on inflation and prices in financial reports . . . N	Jan 24 17	Maybe things aren't so bad after all -Viewpoint . . .	Dec 19 4
Capital spending in 10 chemical lines: moderate rate of growth seen . . . N	July 25 17	Forecast '79: Mixed fortunes for year ahead report (charts & table) . . .	Jan 17 13	Mobil, Carbide Canada outline strategies Monsanto bullish on 1979 sales and reports to Chicago security analysts . . .	Nov 14 25
N Capital spending keeps pace with inflation (chart & table) . . .	Jan 3 14	Forecasting: Despite SEC's urging, companies are still wary about forecasting . . .	Jan 3 25	Occidental's Casriel reports to Chicago analysts . . .	Mar 14 17
Capital spending plans for 1980: little growth (table) . . .	Nov 7 18	Foreign affiliates of U.S. concerns: Spending abroad will rise following 1978 drop . . . N	June 20 39	Oil and chemicals: Era of peaceful co-existence? - report. Meyer Lurie (tables) . . .	Oct 17 70
Cash flow fills most of need for working capital: Chemical Week's analysis of flow-of-funds data (chart & table) . . .	Apr 4 19	Foreign companies: CW's fifth annual survey of the 100 largest CPI firms headquartered outside the U.S. (tables) . . .	May 9 39	Oil companies' chemical sales and earnings . . .	Oct 17 82
Celanese's annual meeting: earnings outlook good . . .	Apr 18 19	Foreign investment: Drop in number of foreign investments in U.S. chemical industry . . .	Aug 15 30	Olympic Games get corporate financial support . . .	Feb 7 27
CMA's 107th Annual Meeting: CMA plans an activist role in a future that hints of moderation . . .	June 13 19	Foreign manufacturing investment report from Conference Board: U.S. leads the world . . . R	Jan 24 23	Other views: American business: a beleaguered enterprise. William E. Simon . . .	Apr 4 5
CPI prices, profits under attack (charts) . . .	May 16 20	Freeport Minerals Co. diversification program: company now holds a "full house" of profitable businesses . . .	Feb 7 28	Other views: Budgets and forecasts: necessary evils. Jan Wallander . . .	Oct 3 5
CPI stocks: starting to rebound (charts) . . .	Nov 7 16	Fuller's Andersen reports to Chicago analysts . . .	Oct 17 28	Other views: Business and government: an alliance for growth. Edward Donley Outlook for 1980: leaner economy, fatter payrolls; major wage pacts up for renewal in 1980 (chart & table) . . .	July 18 5
Chemical Week 300-report. Homer G. Starr (tables) . . .	Feb 28 37	G.P.'s capital-spending program: \$200 million on eight capital projects . . . N	May 23 17	P-profits and political contributions: Allied and executive indicted on kick-back charges by grand jury . . .	Dec 19 19
In late-1978 upswing top CPI companies gains surpass the rise in GNP . . .	Mar 14 20	German chemical makers more concerned about the weakening of the U.S. dollar than about revaluation of the Deutsche mark . . . N	Mar 14 17	Allied pleads on two income tax charges . . .	Apr 25 24
Fourth-quarter upturn helped top companies hit new highs in sales and earnings, but only modest gains in profit margins . . .	Apr 25 28	German CPI regains some vigor. Silke McCusken (charts & tables) . . .	Aug 8 13	Goodrich (BF) pleads no contest on tax charges . . .	Aug 8 20
Margins are modest, but gains look great . . .	May 30 45	German fiber makers still in red . . .	Oct 3 31	Petrochemicals prosper, fuel outlook brightens, Royal Dutch/Shell Group and Northern Natural Gas executives tell N.Y. financial analysts . . .	Jan 24 17
Though GNP falters, CPI earnings rise . . .	Aug 29 34	Grace chairman says the U.S. is just entering the beginning of a recession that he expects will last six months . . . R	Dec 5 24	Petroleum: Loose talk of "obscene" oil profits is itself obscene-Viewpoint . . .	Oct 3 21
-Letter (cover correction) . . .	Nov 7 8	Grace, W.R. considering possibility of splitting up operations into a number of publicly held companies . . .	June 20 47	-Letter . . .	Nov 7 5
In sagging economy, earnings soar . . .	Nov 21 34	Great Britain: budget proposals cause some concern . . .	Dec 5 24	The continuing saga of "obscene" oil profits-Viewpoint . . .	Dec 19 12
Chesapeake Corp.'s Camp reports to Philadelphia analysts . . .	Mar 14 17	Great Britain's Margaret Thatcher: She's	May 30 22	Phillips' Howard reports to security analysts in Salt Lake City, Utah: Phillips wants broader markets for plastics . . .	Dec 5 6
China's chemical output grows, but government slows development (table) . . .	July 25 37		Oct 10 18	Plant sites 1980-report. John M. Winton (charts, tables, maps) . . .	Mar 21 22
Chrysler aid package in Congress could have widespread effects on CPI (table) . . .	Dec 19 23		June 20 46	How states compare on chemical industry growth and selected business climate factors (table) . . .	Dec 5 71
Cleveland CPI firms given little say as city's problems mount . . .	Jan 31 33				Dec 5 74
Coins: Susan B. Anthony "silver" dollars . . .	Jan 27 40				

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Profit prospects take a turn for the better (chart & table)	Mar 21 19	Turkish chemical industry: economic problems curb CPI output, petrochemical buildups	Mar 28 39	Fluorocarbons	
Puerto Rico: problems in paradise—report, Meyer Lurie (charts & tables)	Apr 11 56	Union Carbide denies Iranian interests own a share in Carbide's subsidiaries in Puerto Rico	Dec 19 24	Aerosols stage comeback after several lean years (chart)	May 23 32
Recession: is there a recession? Answers from CPI executives vary	Sept 12 16	UC stock offering	Aug 1 18	Du Pont to triple "Fron" output at Chambers Works in Deepwater, N.J.	Apr 18 20
The recession is here, economist tells CCA	June 20 24	Union Carbide's annual meeting: some touchy issues	May 2 19	Fetal safety controversy see Cancer	
Reflections on the Great Depression—six views	Oct 24 47	Union Carbide's Sneath and Anderson, at meeting of security analysts in N.Y., lay out company strategy through 1983. Finance and realignment of key officers	Sept 19 49	Fluorocarbon controversy	
Regulatory costs see Costs		Uniroyal Chemical sees record year in 1979: Calarco upbeat on chemicals	Oct 17 23	Aerosol sales: out from under ozone cloud	Nov 21 22
Regulatory Council's docket of proposed 1980 rule-making actions	Dec 12 19	Uniroyal's chemical units shows gains despite firm's overall all losses	Aug 22 18	FDA ban on nonessential uses of fluorocarbons is now fully in effect	Apr 18 14
Reichhold's annual meeting: earnings outlook good	Apr 18 19	USDA questions spending practices of Cotton, Inc.	Sept 5 14	Ozone: NAS report on ozone will not lead to immediate action by EPA	Nov 14 42
R&D grants to big firms are stifling small ones House report says	Jan 10 23	Wage-price guidelines see Prices—Wage-price guidelines		Ozone see also Ozone	
R&D spending: Carter makes pitch for federal R&D support	Apr 4 18	Witco's Wishnick and Sonneborn report to N.Y. analysts, sales goal: \$1 billion by early '80s	Apr 4 25	Fluorspar—Allied to sell fluorspar mining and milling operations to Equities Holding Corp.	Aug 1 18
R&D spending: chemical R&D tabs rise, pace slackens—NSF report (table)	Apr 18 32	World industrial growth will slow in 1979	Mar 21 28	Fly Ash	
R&D spending: Chemical R&D tabs will increase by 10% in 1979—McGraw-Hill survey; NSF study (tables)	May 23 36	Financial Executives Roundtable—Education—Educational effort by business called 'feeble'	Aug 29 49	BMI Ltd. to test market fly ash as concrete aggregate	Nov 14 51
R&D spending: Federal budget (table)	Jan 31 14	Fire Retardants see Flame Retardants		Oak Ridge develops way to recover aluminum from coal fly ash	Oct 31 40
R&D spending: NSF predicts 1980 R&D spending in U.S. will top \$57 billion	May 30 14	Fires		Researchers are out to recover the mineral riches of fly ash	Feb 14 36
R&D spending: NSF report says nation's universities play key role in basic R&D	Jan 24 10	BASF warehouse fire destroys supplies of pesticides and plastics	June 27 36	University of Calif. researchers suggest new type of particulate collection for municipal fly ash	June 13 23
R&D spending: NSF says industrial R&D rose 11% to \$29.9 billion in 1976-1977	Mar 28 18	Canada: Gulf Oil Canada's Montreal refinery damaged by fire	Feb 21 26	Foam	
R&D spending: U.S. R&D spending overseas is rising faster than that in U.S.	May 16 43	Caribe Isoprene's Puerto Rican units hit by explosion and fire	Dec 19 21	CPSC weighs furniture flammability standard	Nov 14 41
R&D spending: U.S. R&D spending will top \$50 billion in 1979	Jan 3 34	Cities Service's fire and explosion at Lake Charles, La., refinery knock out process units	Oct 24 22	Gossamer Albatross, pedal-driven airplane using plastics composites and film will attempt to cross the English Channel	Mar 28 22
Rhone-Poulenc healthy says chairman Gandou	Oct 24 20	Drexel paraffin plant explodes in Memphis, Tenn.	July 11 21	Man-powered aircraft crosses Channel	June 20 27
Rhone-Poulenc raises cash through stock issue	Nov 14 76	Exxon Baytown, Tex., fire damages a resid-refining unit	Oct 24 22	Grace grooms urethane foams for food mattresses, personal care items	Jan 3 42
Rohm and Haas' Gregory reports to financial analysts: trend toward higher earnings continues	Oct 17 22	Exxon's Bayway, N.J. refinery fire and explosion	Mar 28 24	TDI outlook: flexible-foam market grows (charts)	Jan 24 35
Sales and earnings		Fire tests help FAA rate aircraft interiors	Jan 24 44	UF foam: Rapco Foam-Scientific Applications UF foam process to go to trial	Nov 14 25
Fourth-quarter results come on strong. Fourth-quarter 1978 (table)	Jan 17 18	Indiana Standard's Whiting refinery hit by fires	Feb 21 26	Urea-formaldehyde foam insulation: makers launch safety studies as DOE ponders new limits; tough CPSC standard due soon	Nov 28 36
Fourth quarter: Year-end surge gives momentum for CPI in '79 (tables)	Jan 31 16	Northern Petrochemicals explosion and fire at LDPE unit in Morris, Ill.	Apr 18 18	UF foam insulation: Massachusetts bans UF foam insulation	Nov 14 24
Fourth quarter '78: Late flurry boosts 1978 profits figures (table)	Feb 7 17	Osborne Chemical's Pennsauken, N.J., plant: Xylene explodes	Sept 5 23	Formaldehyde Institute sues Massachusetts over formaldehyde ban	Nov 21 18
Fourth quarter: Still cautious after good quarter (table)	Feb 14 15	Riverside Chemical's Crystal City, Tex. warehouse fire	Mar 14 20	Urethane trade organization asks for national combustibility performance standard	Sept 12 25
First quarter: Earnings strong in first quarter (table)	Apr 25 21	Shell's Deer Park, Tex. complex: fire forces outbacks	Sept 12 19	Food	
Second quarter: Looking for volume gains to aid in the second quarter (table)	May 2 20	Union Carbide hopes to repair peracetic acid unit at Taft, La. by August	Apr 11 17	Beatrice Foods Co. finds recipe for success in specialties	Sept 5 71
Quarter's still strong for CPI (table)	May 9 20	N Production resumes at Taft, La. plant	Oct 31 23	Chemical Week 300—report, Horne D. Starr (tables) Feb 28-30, Apr 25-42, May 30-47, Aug 29-36	Nov 21 42
Midyear mood: elation mixed with anxiety (table)	July 25 16	Fires see also Explosions		Fabricated foods market gaining	Apr 18 38
Quarterly gains strong for chemicals and oils (table)	Aug 1 15	First Midland Conference on Advances in Chemical Science and Technology—Midland Conference seeks ways to bridge industry/academic gap	Oct 24 38	FDA preparing report on chemical residues' effects in food	Feb 21 18
Third quarter: diagnosis is 'downturn,' but earnings are up (tables)	Oct 24 16	Other views: do we really need a chemical industry? Paul Orefice	Oct 31 5	Grace completely out of packaged foods business with sale of Barilla S.p.A. to Finbarilla S.p.A.	Aug 8 13
Third quarter: earnings are spurred by worldwide business (table)	Oct 31 18	Midland meeting aim: tilting R&D upward	Oct 31 29	Nitrite-free bacon test-marketing starts	Mar 14 14
Sales and earnings continue strong	Nov 7 22	Fish—PCBs: EDF plans suit to force FDA to lower PCB limits for fish	Jan 10 23	Packaging see Packaging	
Specialties companies sales and earnings up	Nov 7 41	Fishing—Coast Guard probe clears sodium bisulfite in asphyxiation death of two crewmen aboard shrimp fishing vessel	Aug 22 37	P&G expanding Staten Island, N.Y. plants	Feb 14 9
Sales and earnings for individual companies see under company name in Company Index		Flame Retardants		Food Additives	
Sales outlook: modest sales gains seen—McGraw-Hill Economics Dept. fall survey (table)	Dec 19 46	Cellulose insulation standards see Insulation		CMRA meeting hears Delphi Marketing's Giragosian discuss food additives	Feb 21 40
Saudi Arabian economic growth slowdown seen in Rand Corp. study	Jan 31 18	CPSC weighs furniture flammability standard	Nov 14 41	Delaney amendment repeal called for in new bill	Jan 31 23
Schering-Plough to buy more of its common stock	May 2 13	CPSC defers decision	Dec 5 18	DES see Diethylstilbestrol (DES)	
Shell Oil's Bookout reports to financial analysts: trend toward higher earnings continues	Oct 17 22	Flame-retardant markets: CMRA meeting (table)	Dec 12 41	Fabricated foods market gaining	Apr 18 38
Society of Chemical Industry symposium deals with "economic and political factors affecting the international chemical industry"	Oct 10 19	Monsanto's phosphorus-based fire retardant Phos-Chek XAF to combat forest fires	Mar 28 40	Food markets pick up for protein additives	Aug 1 36
South African investments are banned by Sweden	June 20 46	PBBs see Polybrominated Biphenyls		Nitrites: FDA will ask Congress for nitrite phaseout	Apr 4 21
Spain: Foreign investment in CPI rises sharply	June 20 46	Velsicol building tetrabromophthalic anhydride plant in El Dorado, Ark.	Jan 31 21	Specialty chemicals discussed at CMRA meeting	Feb 21 40
SRI sees sharp drop in world chemical demand	Mar 28 24	Flavors & Flavoring		Food and Drug Administration	
Sri Lanka liberalizes policies, seeks investors	May 9 39	Bay's Haarmann & Reimer after more of U.S. market	June 20 42	Califano leaves HEW post without filling top FDA position	July 25 14
Staufers' board OK's 2-for-1 stock split	Feb 28 22	European market—research reports	June 27 40	Commissioner Kennedy resigns to take post at Stanford	Apr 25 18
—Correction	Mar 7 24	Gas chromatograph will purify perfume, flavor chemicals on plant scale	June 8 35	Goyan, Jere new commissioner, plans to follow Kennedy's lead at FDA	Sept 19 23
Stocks: Wall Street says some CPI segments will outdo market in 1979-1980 (tables)	July 11 16	—Correction	June 20 56	Interagency testing see Testing—Toxic chemicals	
Sun Chemical Corp. stock offering	July 25 24	Haarmann & Reimer symposium points to new methods to make flavors and fragrances	Oct 3 46	FDA regulations, standards etc. see under specific products	
Sun finds stronger petrochemical margins	Dec 12 28	Floors & Flooring—No-wax flooring discussed at CSMA meeting	Dec 12 39	Forests—Rapid tree-growing may make forests major source of CPI products	Jan 31 46
Swiss firms welcome stabilized currencies	May 9 39	Flotation—Drawo's Lector Clear electrical flotation process removes solids from waste streams (Flowchart)	Jan 24 39	Formaldehyde	
Taiwan: Can Taiwan do business as usual?	Jan 3 23	Flotation Agents—Dow Chemical san-thate-based flotation agents: worldwide sales to be discontinued	Sept 26 69	CIT shows formaldehyde may cause cancer in rats	Oct 17 40
Tennessee stock rise under	Sept 12 27	Fluochloral—BASF Wyandotte in litigation with Michigan over an alleged discharge of Basalin into U.S. waters	Dec 12 24	G-P's capital-spending program: \$220 million on eight capital projects	Aug 8 13
Texasgulf's Fogarty reports to financial analysts: trend toward higher earnings continues	Oct 17 22			Prices N Aug 8-23, N Sept 12-36	Dec 12 32
3M sales slow down in the third quarter: Lehr at Chicago security analysts meeting	Sept 12 13			Urea-formaldehyde foam: Rapco Foam-Scientific Applications UF foam process case to go to trial	Nov 14 25
				Urea-formaldehyde foam insulation: makers launch safety studies as DOE ponders new limits; tough CPSC standard due soon	Nov 28 36

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Fluor puts costs to attain 1990 synfuels goal at more than \$100 billion	July 25	48
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Sasol chemistry ready to go to work in U.S. synfuels programs (flowchart)	Sept 12	45
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Ametek, Inc. files for patents on thin-film semiconductor materials that can be used to make low-cost photovoltaic solar cells	Nov 7	47
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Scotland's gas-separation plant delayed	May 9	40
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N Producers ready to start their engines: Resolved: to become a 'Positive Thinker' on gasohol-Viewpoint	Oct 24	5
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N Nuclear-waste disposal materials: ceramics gain on glass	May 9	30
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N Japanese study links glass-fiber dust and lung disease	Jan 3	18
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N Owens-Corning Fiberglas completes glass-fiber unit in Amarillo, Tex. N Jan 17-36	Apr 18	21
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N Penny postage started stamp adhesives on their appointed rounds: BOP will commemorate Rowland Hill who introduced first adhesive-backed stamp for prepaid mail service	Apr 25	55
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N Heat-storage pipes use the phase-change properties of calcium chloride hexahydrate to store energy	May 9	29

Thermal energy "storage battery" systems will cut home heating costs in half.	May 16 18	DNA-derived drugs: Hormones and vaccines may reach the market in two or three years.	June 27 32	Ice Skating-Polyethylene skating rinks.	Aug 22 42
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Heavy Water-Argentina's heavy-water plant construction gets three bidders.	Feb 21 37	Letter.	Mar 14 5		
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		Potential for plastics exports grows.	Aug 1 32	Asian countries plan a common market for drugs.	Sept 19 39
		Hydraulic Fluids-Olin develops cluster-like silicate esters that withstand water.	Mar 7 37	Balance of trade	
		Hydrazine		Chemical trade surplus climbed 6% in 1978.	Feb 7 19
		Prices.	Aug 29 33	Chemicals strike a better balance in world trade (tables).	Feb 21 31
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Brazil's agricultural chemicals makers benefit from farm output incentives.	Oct 31 31	Calvin at ACS meeting reports of rare trees that can directly yield fuel oil and naphtha for chemical feedstocks.	Sept 19 44	Carter plan would consolidate trade activities into Dept. of Commerce.	July 25 19
California county votes to limit phenox herbicides.	June 13 18	Cobalt-polymer catalyst provides low-cost route to steroids, hydrocarbons.	June 13 23	Carter seeks backing for new trade plan: chemicals stay aloof (charts).	Feb 7 15
Chevron agrees to stop selling home and garden weed killers containing Silver R. HEW complies list of workers exposed to dioxin.	May 16 28 Aug 15 14	Deutsche Shell to modernize hydrocarbon solvent plant at Hamburg refinery R Du Pont and Shell reach agreement on hydrocarbon purchases.	Apr 18 21 Apr 18 13	Doxycycline importers back by DOJ. Doxycycline stay in dispute with Pfizer.	Feb 14 23
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Michigan charges that a state-licensed hauler of toxic wastes illegally dumped pesticides into an open pit in rural Livingston County.	Mar 28 23	Israelis test lasers for extracting hydrocarbons from shale deposits.	Jan 24 38	Alberta Gas will appeal ruling on Du Pont allegations.	Aug 8 25
Pesticides flourish on farm prosperity: National Agricultural Chemicals Assn. meeting.	Oct 10 35	Mexico: oil and gas reserves.	Jan 10 39	Ammonia producers protest imports from Russia.	July 18 24
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Agent Orange: Class action suits filed on behalf of Vietnam veterans and others Jan 17-21, R Feb 14-17.	Feb 28 18	Synthetics will have larger cost advantage as oil tabs rise (charts).	Mar 28 19	Soviet ammonia said to disrupt U.S. market.	Oct 10 18
GAO backs study of veterans exposed to Agent Orange.	Apr 18 20	Veliscol to drop hydrocarbon resins line.	Nov 21 13	Canada rules PP resin is being dumped. N European soda makers complain about dumping.	May 2 60 Mar 7 33
Congressional panel hears Vietnam vets on Agent Orange effects.	July 4 18	Hydrochloric Acid-Prices N Apr 4-29, N Oct 3-37.	Dec 1 69	East-West trade	
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GAO finds fault with Vietnam spraying.	Dec 5 41	Hydrofluoric Acid-Prices N Oct 17-54 N Hydrogasification see Gasification	Dec 19 69	U.S.-China trade agreement will put U.S. in line for role in China's development.	May 23 17
Agent Orange shows up in fat-biopsy studies.	Dec 19 21	Hydrogen		EEC and developing nations draw up new trade and aid agreement.	July 18 18
California restricts use.	Jan 3 34	Air Products and Chemicals, Inc., Laporte, Tex., hydrogen plant.	May 9 21	Fibers: Common Market hits U.S. fiber imports.	Nov 21 18
Dow makes its case for 2,4,5-T at American Farm Bureau Conference.	June 13 22	Air Products to build a liquid hydrogen plant in Sarnia, Ont.	Apr 11 17	Fill-in for crude: light hydrocarbons (charts).	Nov 14 20
Dow representative denies a charge that the company engaged in "Corporate espionage" against a Vietnam veterans' group to obtain a copy of a medical questionnaire related to alleged exposure to Agent Orange.	Aug 29 23	Catalysts and Chemicals Europe process to make hydrogen by steam reforming methanol.	Oct 31 40	"Free trade" - yes; "Free aid" - no! - Viewpoint.	Apr 25 5
Dow registers Garlon 3-A herbicide said to be partial replacement for 2,4,5-T.	June 6 14	DOE thinks power at dam sites can make hydrogen economically.	Feb 28 48	GATT see Tariffs	
EPA orders emergency suspension of 2,4,5-T.	Mar 7 21	Hollow-fiber device separates hydrogen from waste-gas streams.	Nov 21 46	Great Britain's Margaret Thatcher: She's having an impact on CPI. Tim Keeley (charts).	Oct 24 32
Judge lets EPA ban stand.	Mar 14 19	Hydrogen merchants shake off auto slump; shutdown of some old on-site generators is boosting merchant market (table).	Oct 31 42	Iranian crisis: What toll in trade?	Nov 21 17
EPA opens hearings on 2,4,5-T suspension.	Apr 25 26	Lockheed wants liquid-hydrogen-fueled airline.	Sept 19 17	Italian chemical firms sign pacts with Russia.	Nov 7 48
Dow asks EPA to halt hearings.	May 2 14	N Oil from algae: Pennsylvania State Univ. researcher Engel develops algae-to-oil process using hydrogen.	July 18 43	N Italy's chemical trade deficit has doubled.	Sept 12 41
Hooker dumps sees Waste Disposal National Institute of Environmental Health and Safety animal experiments on dioxin look for birth defects.	Aug 15 14	Saudi Arabia: Shell awards contract to Uhde GmbH.	Aug 1 18	N Japanese petrochemical makers seek direct imports of naphtha.	Feb 7 24
Hexachlorocyclopentadiene (C ₆ H ₆)-Hooker dumps sees Waste Disposal		Thermochemical cycle uses solar collectors to produce hydrogen, CO.	Aug 15 38	N Approval for naphtha imports.	Feb 21 48
Hexachlorophene-Morhange talcum powder case (1972): French criminal court begins to hear testimony.	Oct 31 22	N Union Carbide Linde Division's Ashtabula, hydrogen plant capacity doubled.	Mar 21 26	Japan's chemical industry makes comeback: tighter belts tighten Japanese CPI's profits (charts & tables).	Sept 26 54
Hexamethylenetetramine-Prices.	Oct 31 39	Hydrogen Chloride-Non-volatile chlorine process uses heat from coal combustion.	Feb 7 36	LPG: Cracker feed flexibility: a boon to LPG imports?	Nov 21 19
High-Energy Fuel		Hydrogen Peroxide		Menthol markets: imports from Far East threaten U.S. markets.	Nov 14 49
Ashland process converts shale oil into jet fuel.	June 13 23	Markets: major expansions highlight bullish forecasts (table).	Dec 12 33	Naphtha: Carbide seeks boost in entitlements it gets for using imported naphtha.	Nov 7 14
FAA is looking for antimisting agent for jet fuels.	Mar 21 38	Prices.	Apr 4 29	Natural gas: U.S. transmission companies planning to import natural gas from Mexico will face competition from others.	Aug 1 9
Antimisting agent for jet fuels passes early tests.	June 20 56	Shell to stop manufacture.	Oct 31 13	Oil-import breaks sought by chemical majors.	Nov 7 24
N Lockheed wants liquid-hydrogen-fueled airline.	Sept 19 17	Hydrogenation		Oil products: DOE opposes plan for tariff.	Nov 21 14
N Shale oil as a jet-fuel source studied.	Sept 5 22	Catalysts report. Donald P. Burke (charts & tables) Part II: Chemicals-Hydrogenation	Apr 4 52	Petroleum: CMA is seeking plan to assure CPI feeds despite limits on oil imports.	Oct 31 14
Highways		Scientific Design will evaluate a commercial hydrolysis plant.	Dec 5 66	Petroleum: OCAW leaders want the Feds to buy crude.	June 13 20
Plasticized sulfur will get a road test in Texas.	Feb 7 36	Hydrolysis-Lummus process makes nitrin and niacinamide from a single feedstock using the same equipment (flow-sheet).	Aug 22 38	Sri Lanka liberalizes policies, seeks investors.	May 9 39
N Sulfur-based road-paving material, dubbed Sulphex, could replace asphalt.	Aug 15 18	Hydroxypropyls-Scientific Design will evaluate a commercial hydroxypropyls plant.	Dec 5 66	N Sweden bans cadmium imports.	Sept 5 69
Hoag, Christopher A., chief executive officer and chairman of Courtaulds Ltd.: Ex-paratrooper jumps into top spot.	Oct 24 52	N Hydroquinone di (beta-hydroxyethyl) ether-Moca in doubt; regulations may force processors to change cast-urethane specialties.	June 13 48	N Textile trade discussions between U.S. and China.	Jan 10 23
Hormones		Hydroxyethyl Methacrylate - Soft-lens material.	Oct 3 38	N TiO ₂ import ruling appeal remote.	Dec 12 21
Chicago jury awards cancer victim \$800,000 in verdict against Schering-Plough.	Sept 5 19			N Toxic substances laws: push is on to harmonize U.S. and European toxic-substances regulations.	Mar 7 39
DES see Diethylstilbestrol (DES)				Trade bill see Tariffs	
				U.S. producers need a "measure" of protection-Viewpoint.	May 2 4
				Letter.	Aug 1 6
				Worldwide approach to regulations needed to prevent severe technical and	

economic disruptions in international chemical markets.	Apr 25	46	—Letter.	Sept 19	5	Cotton pesticides: EPA to grant conditional approval to three new insecticides.	Jan 24	10
Incineration			Novamont sale to USS Chemicals questioned.	July 11	20	Coumaphos gets negative bioassay test.	Jan 24	38
AIChE meeting message: new rules for hazardous wastes: burn them, bury them, or change them.	Aug 29	44	Occidental's takeover bid for Mead: How Mead dodged Oxy's "bearbug".	Mar 14	33	DBCP: Amvac Chemical cited for failure to report use.	Feb 7	18
Fluidized beds may be used to burn sludge.	Jan 31	36	Oil-firm acquisition bill passes committee.	Nov 28	23	Amvac told to cut emissions by California's DOSH.	May 16	26
N Global Marine will burn chemical wastes at sea.	July 11	20	Rhone-Poulenc eyes a U.S. acquisition bid for Anken Industries.	Apr 18	19	DBCP: California orders Oxy to halt pollution at Lathrop, Calif., fertilizer and pesticide plant.	Apr 4	23
Rollins will not incinerate pesticide wastes from Velisol Memphis, Tenn. plant.	July 18	27	Rhone-Poulenc sues to block opposing bid for Polychrome Corp. from Dainippon Ink & Chemicals.	May 9	18	California plans to seek civil penalties as disclosure of memos implicates Oxy in water-pollution coverup.	June 27	23
Solid waste as fuel: Riley's experiences outlined at ASME's Industrial Power Conference.	Oct 31	46	Rhone-Poulenc withdraws offer for Polychrome.	Mar 14	13	DBCP: EPA suspends use.	July 25	24
Texas approves burn of Velisol's wastes.	Feb 28	18	SmithKline set for big entry to eye-care field with acquisition of Allergan Pharmaceuticals.	Dec 19	22	Bans most remaining uses.	Nov 7	14
—Letter.	Apr 18	5	Soltex Polymers acquires Salisbury Laboratories.	Nov 7	18	DBCP: H&G calls for study of DBCP contamination.	June 27	25
Waste disposal by burning at sea (table).	Apr 11	44	Unilever acquisitions strengthen specialty hand.	Oct 17	25	Dow's Pittsburg, Calif., plant explosion kills two, injures 101.	June 6	21
India			Uniroyal tire operations in Europe sold to Continental Gummi Werke A.G.	Aug 1	17	Drexel parathion plant explodes in Memphis, Tenn.	July 11	21
Ammonia-urea capacity buildup.	May 30	28	Netherlands: Lowlands CPI tries for highs.	July 11	34	EPA confirms reports of traces of UC's toxic pesticide, dieldrin, found in drinking wells in Long Island.	Sept 12	14
CPI is stalled by political crisis (tables).	Sept 19	36	SRI sees sharp drop in world chemical demand.	Mar 28	24	EPA steps up efforts to protect pesticide workers: plans closure and container standardization.	Aug 15	22
Naphtha supplies piling up.	Dec 12	56	Society of Chemical Industry symposium deals with "economic and political factors affecting the international chemical industry".	Oct 10	19	Ethylene dibromide see Ethylene Dibromide.		
Sulfur shortage.	Feb 7	51	Taiwan: Can Taiwan do business as usual?	Jan 3	23	Ferriamicide to control fire ants: EPA reaffirms emergency approval for Miss.	Feb 7	22
Indonesia			Infrared			Safety dispute flares up on ferriamicide.	Mar 7	21
Asian countries plan a common market for drugs.	Sept 19	39	Infrared scanning detects hot spots in chemical plants.	Mar 28	35	EPA suggests substitutes.	Nov 14	42
California LNG terminal at Point Conception: Final approval seen.	July 18	25	Scanner that can spot oil spills in the dark or in foggy weather being tested.	July 25	46	Fire ants: American Cyanamid's pesticide tests authorized by EPA.	Nov 14	42
Five-year economic growth plan will emphasize mineral output growth.	Jan 17	32	Ink			Fire ants fight cotton pests, researchers say.	July 11	22
Oil: Higher prices lead to more oil from Indonesia.	Oct 31	30	Chemical Week 300—report. Homer G. Starr (tables) Feb 28-39, Apr 25-33 May 30-48, Aug 29-36.	Nov 21	42	FDA preparing report on chemical residues' effects in food.	Feb 21	18
PVC capacity.	Apr 11	54	Erassable ink will be offered in Gillette's Eraser Mate Pen.	Jan 31	43	GAO scores FDA, EPA on controls of pesticides rise by foreign countries.	July 11	18
Seeks partners in petrochemicals, finds urea plant financing.	July 11	36	Printing-ink specialty chemicals: regulations, economics change mix.	Feb 28	58	Heptachlor and chlordane suit against Velisol dismissed.	May 2	21
Urea plant to be backed by Japanese.	Apr 18	26	Inland Waterways			Hooker dumps sludge see Waste Disposal		
Industry Developments			Chemical shippers have big stake in reconstruction of Alton, Ill., lock: deteriorating waterways may slow growth of chemical barge traffic.	Nov 14	86	Indian tree extract repels a wide range of insect pests from crops.	Aug 29	50
Acquisitions and mergers: for newsletter and roundup items see under individual company names in Company Index			ICC opts to deregulate inland waterways.	Jan 3	40	Kepone: Allied's Hennessy joins Travelers board; Travelers defended Allied in Kepone incident.	Aug 22	20
Australian CPI buildup fosters fears of overcapacity.	Feb 28	52	N Lock and Dam 26 clears major legal hurdle.	Oct 31	39	Kepone plant owners ordered to pay \$16,500.	Feb 14	14
China's chemical output grows, but government slows development (table)	July 25	37	N Maritime study seeks upgrading inland ports.	July 25	19	Michigan charges that a state-licensed hauler of toxic wastes illegally dumped pesticides into an open pit in rural Livingston County.	Mar 28	23
Great Britain's Margaret Thatcher: She's having an impact on CPI. Tim Keeley (charts).	Oct 24	32	N Midwest floods snarl inland waterway chemical traffic.	Apr 26	27	Morton-Norwich buy Shell's No-Pest strip insecticide business.	Mar 7	13
India's CPI is stalled by political crisis (tables).	Sept 19	36	N Tennessee-Tombigbee waterway project proceeds despite challenges (diagram & map).	Apr 18	35	NCI bioassay shows toxaphene is carcinogenic.	Mar 14	37
Iranian crisis: what toll in trade?	Nov 21	17	Winter snarls: How CPI plans to steer clear of winter snarls.	Jan 17	24	Office of Technology Assessment has endorsed Integrated Pest Management (IPM) techniques as a replacement for pesticides.	Nov 7	25
Italy: new government supports recovery plans.	Aug 22	35	Inorganic Chemicals			OSHA awards contract to Centaur Management Consultants for study of generic pesticide standard.	Aug 22	14
N Japan's chemical industry makes comeback: tighter belts fatten Japanese CPI's profits (charts & tables).	Sept 26	54	Oil and chemicals: Era of peaceful co-existence? — report. Meyer Lurie (tables).	Oct 17	70	Other views: Jellinek chides pesticide makers on poor citizenship.	Nov 21	5
Merger activity down for chemicals and coatings—W.T. Grimm & Co. report. N Merger activity up in first half of 1979 for chemicals and coatings—W.T. Grimm report.	Feb 21	17	Oil companies' share of chemical production capacities.	Oct 17	74	Jellinek: Pesticide makers win a Pyrrhic victory.	Nov 28	5
Mergers and acquisitions	July 18	17	Prices.	Sept 26	46	Pesticides flourish in farm.	Oct 10	35
Anti-bigness push: Kennedy's bill would limit size of all mergers, reshape antitrust policy.	May 16	38	U.S. aid package for Egypt includes inorganic chemicals complex at Lake Qarun.	Aug 15	29	National Agricultural Chemicals Assn. annual meeting.	May 30	22
—Letter (cover correction).	Aug 29	5	Insect Repellents—Market revived by outdoor recreation interest.	July 4	34	Pyrethrin manufacturers that use chlorofluorocarbon propellants may be granted relief.	May 30	22
Corco: Puerto Rican government will hold talks with CRC concerning the \$50 million Corco allegedly owes the island's government.	Jan 10	21	Insecticides			Pyrethrins: shortages of natural and synthetic pyrethrin insecticides are easing (chart).	Jan 17	42
N Corco may okay bid from Arabian Seacell.	Jan 24	14	Brazil's agricultural chemicals makers benefit from farm output incentives.	Oct 31	31	—Correction.	Jan 24	44
American Seacell agrees to \$7 million deal for acquiring Corco.	Mar 7	13	CSMA meeting topic.	May 23	34	Regulatory Council's calendar: chemical industry ranks sixth.	Dec 5	42
N Corco's common stock trading.	June 20	28	Chevron agrees to stop selling home and garden weed killers containing Silvex R DDT see DDT.	May 16	28	Rollins will not incinerate pesticide waste from Velisol Memphis, Tenn. plant.	July 18	27
N Corco to pay Puerto Rico \$75 million.	July 4	13	Federal Insecticide, Fungicide and Rodenticide Act (FIFRA)			Stauffer's parathion pesticide case settled out of court.	Jan 31	21
Corco settles claims, has takeover offers.	Oct 17	26	Supreme Court dismisses Mobay's appeal on 1978 FIFRA amendments.	Jan 17	14	UN calls for research in pest-control methods.	May 30	27
Du Pont has buyers for 80% of dyes business.	Dec 5	22	N Monsanto sues over pesticide amendment.	Apr 11	22	U.S. House of Representatives votes to give Congress veto power over pesticide regulations.	Dec 5	43
El Paso to buy Dart's share in Rexene Polyolefins and Consolidated Thermoplastics.	June 20	22	House Committee votes limits on EPA authority.	May 16	27	Velisol's EPN pesticide plant at Bayport, Tex. down after explosion and fire.	Jan 17	22
Esmark considers acquisition of Reliance Universal.	Sept 5	19	Are FIFRA amendments constitutional? Supreme Court may have to decide.	Oct 24	14	Pyrethroid insecticide will be developed in Japan and in Australia.	July 25	45
Exxon's plan to acquire Reliance Electric hits a snag in court.	Aug 8	14	N EPA's Jellinek blasts ag chemical industry for filing FIFRA suits.	Nov 7	14	N Shell to build synthetic pyrethroid plant in Mobile, Ala.	Aug 15	22
Firestone, Borg-Warner call off their merger.	May 2	19	N EPA cannot appeal constitutionality directly to Supreme Court but must present the issue to N.Y.C. appeals court.	Dec 12	28	Stauffer chemical facility to manufacture insecticide intermediate ethyl chloranthemate at its Edison, N.J. plant.	Nov 28	28
Foremost-McKesson receives acquisition proposal from a private investment group now forming, which would include members of Foremost-McKesson management.	Oct 24	21	Pesticides			2,4,5-T see Herbicides		
Gulf + Western Industries to increase stake in Sherwin-Williams.	Feb 7	28	Biorational pesticides: EPA speeding up program for approval.	July 4	39	Institute of Food Technologists—Francis discusses fabricated foods at seminar.	Apr 18	39
N G + W says stock purchases are strictly for investment.	Mar 21	45	Chlorobenzilate: EPA orders ban.	Aug 29	27	Instrument Society of America—New instruments debut at Chicago show.	Oct 31	47
FTC probes G + W's stake in Sherwin-Williams.	Aug 29	49	Coast Guard and EPA debate best way to dispose of sea water contaminated by mopac from Italian ship Maria Costa.	Mar 14	20	Instruments		
Johns-Manville wants to buy Ashland's oil and natural gas properties.	Jan 10	21	Coast Guard and EPA bury pesticide at sea.	Mar 21	26	Chem Show exhibitors.	Nov 14	70
Mapco: \$27.2 million to buy Chem-Nuclear.	Feb 28	21				Control instrumentation: new systems aim at world market (chart).	May 2	55
NL Industries' plant sales: Four plants sold to Lead Industries Group, Ltd.; three recycled lead plants sold to Tarscorp Inc. of Atlanta.	Aug 22	19						

Earthquake warning for chemical plants studied	May 9 34	International Naval Stores - Meeting (Sixth): Worldwide rosin market remains tight-outlook from Walter L. Cleaver, Sr., president, PDM Trading, Inc.	Oct 3 21	Isocyanurates-Chlorinated isocyanurates prices	N Apr 18 23
Flammable-gas detector, thermal sensing device, looking for work in chemical plants	Aug 8 36	International Petrochemical Conference-Chemicals and gasoline compete for aromatics	Apr 18 31	Isotopes-Columbia University chemist Turro describes simple way to separate isotopes by weight at ACS meeting	Sept 19 44
Infrared scanner that can spot oil spills in the dark or in foggy weather being tested	July 25 46	International Symposium on Hazardous Waste Disposal-Incinerating wastes at sea: Waste disposal by burning at sea (table)	Apr 11 44	Israel	
Ionics, Inc. introduces chemical analyzers at ISA show	Oct 31 47	Inventories		Bromine compounds sold to China	N Oct 31 30
Pittsburgh Conference focuses on refinements	Mar 14 39	Apparel-fiber inventory liquidation: end seen	Oct 24 28	Desert sites: Ramat Hovav complex; others planned	Aug 1 31
Saxax hair-scanning device tracks trace elements	Sept 12 53	Chemical inventories to drop after summer spurt-McGraw-Hill survey	Apr 11 17	Haifa Chemicals acquisition by Esmark: talks stalled	Feb 21 48
TI introduces solid-state strip-chart recorder at ISA show	Oct 31 47	CPI managers are watching inventories for clues to business trends (chart)	May 23 15	Lasers for extracting hydrocarbons from shale deposits tested	N Jan 24 38
Insulation		Fertilizer inventories drop sharply N Oct 24-28	Nov 14 44	Magnetic method to separate uranium isotopes developed	N Jan 21 37
Air-bubble technology in insulation applications	June 20 41	Inventories: A replay of 1974? Inventories in line with sales now, but may be too big for 1980	Oct 3 16	Mideast phosphate and potash output to grow	N May 9 39
Potassium titanate fibers will bid for insulation and plastics jobs	N Mar 28 34	Polyolefin inventories: market outlook (chart)	June 13 37	Potash expansion planned	N July 25 36
Standards		Sulfur inventories slide N May 23-24	Aug 8 18	Teomin, Eliahu, managing director of Israel Chemicals Ltd.: He decided it was time he had a new challenge	June 20 66
Cellulose: CPSC amends standards for cellulose insulation	N July 18 18	Tenneco computerized order-processing and inventory control system called TOPICS	May 23 16	Timna copper mines will be reactivated	Dec 12 56
CPSC turns down request to set standards for home insulation	N Mar 14 14	Iodine-Prices	Sept 26 46	Italy	
Styrofoam insulation lawsuit: R. Boyer of Pevely, Mo. names Dow in \$1.65-million suit	Aug 8 19	Ion Exchange		Capital spending (table)	Mar 21 30
TVA delays plans for insulation from slag	Apr 18 21	Battelle develops new method for removing underwater pollutants	Apr 11 41	Chemical (and related) industry employees stop work for half a day to protest government foot-dragging on restructuring proposals	Dec 5 51
Urea-formaldehyde foam: makers launch safety studies as DOE ponders new limits; tough CPSC standard due soon	Nov 28 36	Ion exchange system will treat radioactive waste at Three Mile Island	July 18 42	CPI losses exceed \$1 billion: creditors seek repayment plan (table)	Jan 31 32
Urea-formaldehyde foam: Massachusetts bans UF foam insulation	Nov 14 24	Iowa State University		Chemical trade deficit has doubled	Sept 12 41
Formaldehyde Institute sues Massachusetts over formaldehyde ban	Nov 21 18	Researchers are out to recover the mineral riches in fly ash	Feb 14 36	Cosmetics firms seek "me-too" EEC law	Sept 26 69
Urea-formaldehyde foam: Rapco Foam-Scientific Applications UF foam process case to go to trial	Nov 14 25	Safe ways found to dispose of pesticide wastes	Jan 24 38	Euteco, DIR may get new financing from banks	N Jan 17 32
Insulin		Iran		Fiber makers gain some ground	N Jan 31 31
DNA-derived drugs: Hormones and vaccines may reach the market in two or three years	June 27 32	Bandar Shapur petrochemical complex	Jan 10 31	Foreign forecast: On balance, 1979 could be a pretty good year-report (charts & table)	Jan 24 23
Insulin-producing living cells are encapsulated for the first time	N Apr 4 37	Complex at Bandar Shapur may soon be revived	Aug 8 25	Italian chemical firms sign pacts with Russia	N Nov 7 48
Lilly, Eli agrees to give royalty-free licenses on insulin patents and associated know-how	Sept 26 18	Discussions to get construction going again	Sept 12 41	Italian government supports recovery plans	N Aug 22 36
Live-cell implants: encapsulated pancreas cells may help in treating diabetes	Apr 25 53	Iran will invest more in venture with Japanese	Sept 19 39	Labor: Outlook for labor peace in European CPI is bright this year	Feb 21 46
Insurance		Japanese approve financing plan to help complete construction of complex at Bandar Khomeini	Oct 24 31	Montedison: Arab stockholders will take close look at finances	May 30 28
American Insurance Assn. report shows insurers are concerned about chemical losses	May 30 21	Business climate improves for Japan, turns cold for Germans	Oct 24 31	Montedison gets some debt-payment relief	N Feb 14 43
CPI policy on risks: more self-insurance (chart)	Oct 3 40	Crisis blamed for DMT shortage in Thailand	Feb 14 43	Montedison, unions move to force government to solve Italy's CPI problems	Apr 25 17
Hooker in courts with insurers over coverage for Love Canal	Dec 12 24	Crisis in Iran: what toll in trade?	Nov 21 17	Montedison's sales and earnings for '78	Apr 4 44
Insurance firms take a cautious approach to glass-repair technology	Apr 4 45	Fertilizer contracts terminated by Davy and H&G	May 16 35	Montedison told to close some units at Priolo, Sicily, complex	Dec 12 26
Iran: Political-risk coverage in Iran only \$54 million	Dec 5 21	Iran's oil: little help to the U.S.	Mar 14 18	Montefibre asks for help to avoid bankruptcy	N Aug 8 25
Product-liability		Oil cutoff prompts concern over feeds	Feb 14 16	Novamont sale to USS Chemicals questioned	July 11 20
Commerce proposes product-liability law	Feb 7 20	Oil supply will tighten, energy executives told	Jan 31 18	Plant managers sentenced to prison for violation of Italy's water-pollution law	Nov 21 28
New Jersey weighs big insurance rate hike	Nov 14 27	Petrochemicals: foreign holdings in four companies to be bought; some projects halted	May 16 35	Polyolefin markets	June 13 38
Product liability insurance bill set for Congressional action	Aug 19 28	Political-risk coverage in Iran only \$54 million	Dec 5 21	Production in first-quarter '79 increases do not foster optimism about full-year prospects	N July 4 47
RCRA's costly insurance and deposit rules may doom on-site disposal	Mar 14 48	Trying to cope with chaos in Iran	Jan 10 31	Saudi Arabia cancels oil contract	N Dec 12 56
South Carolina drops proposal on hazardous wastes	June 20 26	Turmoil shakes world chemical markets (table)	Feb 21 19	Seveso study blames Icmesa for dioxin disaster	Feb 14 13
Interagency Regulatory Liaison Group		-Latter	June 13 5	Faulty reporting of Seveso birth defects charged	Feb 28 24
Report sets new cancer-risk rules for agencies	N Jan 31 23	Iran, Ray R., Olin's Chemicals Group president: He took the fast track to the top of Olin Chemicals	Mar 21 50	Special commission on Seveso investigation	N Mar 7 24
USDA's Food Safety and Quality Service joins group	Feb 7 14	Iraq		Seveso cleanup still not solved	July 18 23
IRLG puts risk into cancer equation	Feb 14 12	Iraq pressures Brazil for nuclear technology in exchange for ore	Nov 21 33	Seveso contamination studied in three deaths	Sept 26 20
Can regulators agree on a cancer policy? Simplified toxicity-test guidelines sought	Feb 28 46	Oil deal with France	Mar 7 33	Snia Viscosa-Montefibre merger in jeopardy	Jan 10 40
Interferon		Phosphate project is far behind schedule	Aug 8 25	Montefibre's losses halt proposed merger	N Feb 7 24
Cetus DNA project	Sept 26 34	Ireland-GAP's sheet-vinyl flooring plant at Mullingar, Ireland	June 13 22	Snia Viscosa plans four plant closings this month	N July 11 36
Hoffman-La Roche says it has purified interferon	June 27 32	Iron		SIR: Kuwait puts a lien on Sardoli refinery in Sardinia	N Aug 15 29
Life Sciences Inc. plans to market interferon	Dec 19 24	Australian strikes may curb Japan's steel output	July 25 36	SIR's problems move toward solution	Feb 14 43
Intermediates		Chemically-activated hand warmers based on simple iron-powder oxidation chemistry from Japan	June 27 40	Banks move to bail out SIR finances	May 23 20
Aromatic intermediate prices	N Apr 11 29	Metallic-glass use in transformer will save research money	Dec 12 50	Trichloroethylene cleared in new study	N Feb 14 36
Chloroformate prices	N Nov 21 24	Iron Disulfide-Fool's gold may boost the amount of liquids derived from coal	Aug 8 31	U.S.S.R. slows down oil sales	N Jan 31 31
Prices	N Sept 12 36	Iron Oxides		Unions set for strikes, plant seizures	N Mar 14 40
SCM Corp. fine-chemicals plant near Brunswick, Ga.	Mar 28 25	Hercules-Amatei agreement to form new company for the production of magnetic iron-oxides in Japan	July 4 22	Uniroyal Chemical to build flexzone antiozonants facility in Latina and will expand capacity in U.S.	N June 6 22
Shell plans chemical complex near Edgard, La.	N Jan 31 13	Hercules Brunswick, Ga. Factory to make Magnox high-performance magnetic iron oxides	Apr 25 25	Unitaria Lavoratoria Italiana's chemical division head Walter Galbusera: He's a 'neo-Marxist' who believes in profits	Feb 21 56
Stauffer Chemical facility to manufacture insecticide intermediate ethyl chloranthemate at its Edison, N.J. plant	N Nov 28 28	Pigment price	Oct 17 54	Japan	
Taiwan tightens control of intermediates exports	Mar 28 37	Isobutylene-Asahi Chemical looks at new process for making methacrylates	Dec 5 65	Ammonia/urea outcrops continue	N June 20 46
Uniroyal acquires Alpine Laboratories	N Apr 25 17	Isocyanates		CANDU reactor gets 'no' vote; ATR type will be developed	N Aug 22 36
International Conference on Coal Gasification, Liquefaction and Conversion to Electricity-Coal conversion technology: Pittsburgh conference zeros in on coal-gasification processes (tables & diagram)	Aug 8 32	Arco polymeric isocyanates plant at Lyndell complex in Channelview, Tex.	July 11 22	Chemical companies report improved sales and earnings in first-half fiscal 1979	N Nov 28 42
		Du Pont to drop dyes and U.S. isocyanates	Oct 13 21	Chemical industry makes comeback: tighter belts fatten Japanese CPI's profits (chart & tables)	Sept 26 54
		Prices	Oct 3 37	Chemical industry recovery is confirmed	N May 2 60
				Chemical outlays will rise in fiscal 1979	N Dec 12 56
				Chemical output climbs rapidly	N June 13 40

CPI is exporting capital as well as goods: Japanese companies now have 19 CPI affiliates in U.S. (charts & tables)	June 6 16	Labeling, detergents see Detergents	OSHA	Amvac Chemical cited for failure to report DBCP use	Feb 7 18
CPI plans to increase spending	May 23 30	Labeling, drugs see Drugs	Amvac told to cut DBCP emissions by California's DOSH	May 16 26	
CPI snaps out of slump (table)	June 13 42	Labeling, law see Law	Awards contract for study of generic pesticide standard	Aug 22 14	
Chemical process licensing agreements: N	Dec 5 66	Labor	Beil at AAAS meeting discusses worker and consumer protection	Jan 17 29	
Chemically-activated hand warmers based on simple iron-powder oxidation chemistry	June 27 40	Affirmative action: High court backs Kaiser's affirmative action plan as Weber loses reverse-discrimination case.	July 4 21	Benzene: Justice Dept. petitions court on benzene	Jan 3 19
Chisso Corp's executives sentenced for polluting	Apr 4 23	Affirmative action: Merck & Co. agrees to spend \$3.2-million for affirmative action	July 4 14	Supreme court will review ruling against benzene standard	Feb 28 14
Cyanamid unit in Japan expands in ag chemicals	Nov 14 27	Affirmative-action priorities poll	Aug 29 49	Justice argues for benzene rule	May 30 22
Exports: Weaker yen, stronger exports (table)	Nov 21 33	Allied lays off 700 as step in reorganization	Sept 26 64	High Court to hear benzene case	Oct 3 18
Foreign forecast: On balance, 1979 could be a pretty good year—report (charts & table)	Jan 24 23	American Cyanamid: OCAW lockout at Fortier, La. plant ruled illegal	Feb 21 26	High Court hears benzene arguments. Cancer-policy analysis: AIHC critical. Cancer policy attacked before it's out	Oct 17 53 Jan 24 13 Dec 12 18
Hercules-Amatel agreement to form new company for the production of magnetic iron oxides in Japan	July 4 22	Borden will appeal in worker-information case	May 30 21	OSHA won't issue final carcinogens policy before middle of next month	Dec 19 18
Hitachi Zosen mechanical pulping process to make newsprint from bagasse is available	Aug 1 27	Discrimination: Hoffman-La Roche agrees to sex-bias settlement	May 23 19	Chicago seminar: Health issues dominate	Sept 19 26
Iranian petrochemical complex at Bandar Shahpur	Jan 10 31	Du Pont fungicide Benlate cleared for use if workers wear protective equipment	Sept 12 14	Chlorine exposure standard: stricter standard delayed	Feb 21 18
Complex at Bandar Shahpur may soon be revived	Aug 8 25	EPA steps up efforts to protect pesticide workers: plans closure and container standardization	Aug 15 22	Ceiling set on exposure to chlorine	July 25 23
Discussions to get construction going again	Sept 12 41	Europe: Outlook for labor peace in CPI is bright this year	Feb 21 46	Court stays enforcement of OSHA's revised standard	Oct 24 14
Iran will invest more in venture with Japanese	Sept 18 39	Fetal safety controversy: cases at American Cyanamid and Allied Chemical on the fetus	Jan 10 18	Coke: API asks Supreme Court not to review coke standard	Jan 31 21
Japanese approve financing plan to help complete construction	Oct 24 31	NIHES studies effect of four chemicals on the fetus	Jan 31 21	Cost-benefit analyses opposition reformed	May 23 14
Menthol markets: imports from Far East threaten U.S. markets	Nov 14 49	OSHA seeks \$24,000 in fines from Cyanamid	May 16 25	Fike agrees to settle with OSHA for \$100 to settle dispute over Nitro, W. Va. plant	May 16 27
Methanol shortages foreseen by 1990	June 13 40	Cyanamid is charged in sterility case	Oct 17 23	Government plans to press criminal charges against OSHA violators	Aug 15 21
Naphtha price agreement	May 30 27	Firststone gets COWPS approval for URW contract	Nov 7 25	Is there a workplace cancer epidemic? OSHA seminar hears both sides	Sept 26 44
Oil and chemicals. Era of peaceful co-existence? — report, Meyer Lurie (tables)	Oct 17 70	Firststone Tire & Rubber Co.'s Swiss subsidiary ordered to pay a \$1.6-million penalty for alleged violation of a union contract at the Pratteln tire plant	Dec 5 27	—Correction	Oct 3 44
It's different abroad	Oct 17 89	France's Rhone-Poulenc finding jobs for workers it laid off	Jan 10 42	—Letter (correction)	Nov 7 8
Petrochemical makers seek direct imports of naphtha	Feb 7 24	German chemical workers get moderate pay boost	Apr 4 44	Labor Dept. taken to court over disclosure of workplace hazards	Oct 3 14
Approval for naphtha imports	Jan 21 48	Great Britain: ICI employees holding out for a hefty pay increase	Aug 8 25	Labor rallies to resist attempts to weaken OSHA	Apr 4 18
Petrochemical output climbs	Jan 31 31	Employees reject union leaders' advice, accept company offer	Aug 15 29	Lead standards delayed	Feb 7 14
Phosphate detergent ban	Oct 24 31	Great Britain: ICI moves to improve productivity, will cut staff	May 9 40	Court stays enforcement of OSHA lead standard	Mar 7 14
Polyolefin markets	June 13 38	Gum workers pay level to be checked by Labor Dept.	Dec 19 24	Lead standard appendices	Oct 31 14
Polypropylene unit at Kashima: construction will resume	May 9 39	Hazardous tasks: Supreme Court will rule on whether workers may refuse hazardous tasks	Oct 10 14	Procedures for response to employee complaints about hazardous working conditions will be changed	Aug 15 14
Reactor know-how to be traded with Germans	Feb 21 37	Interagency Task Force on Workplace Safety and Health recommends the use of economic incentives	Jan 3 19	U.S. Steel, OSHA agree on respirators for coke-oven workers	Mar 21 38
Steel makers feeling the effects of prolonged strikes at Australia's two largest iron-ore operations	July 25 36	International Chemical Workers Union's Frank Martino: Reflections on the Great Depression	Oct 24 49	OSHA and NIOSH may be patching up differences	May 2 14
Syntex anti-inflammatory drug approved for more uses in Japan	June 6 30	ICWU seeks ban on Eli Lilly herbicide Oryzalin	Nov 14 28	OCAW: Goss wins close race for OCAW presidency	Aug 29 24
U.S. steps up pace of international energy agreements	Dec 12 50	International Federation of Chemical, Energy and General Workers Unions cites danger to rubber workers	Mar 28 37	He's set for tough challenges in 1980: OCAW leaders want the Feds to buy crude	June 13 20
Jefferson, Edward G.—Du Pont's next president	Oct 24 18	Investments in worker safety and health: McGraw-Hill Economics Dept. survey (table)	May 30 50	OCAW pushing for pay hike reopeners	Oct 10 22
Johns Hopkins University—PCB checks follow workers' complaints	Nov 28 25	Italy: chemical (leather) industry employees stop work for half a day to protest government foot-dragging on restructuring proposals	Mar 14 40	OCAW rejects oil firms' first pay proposals	Jan 3 13
Johns Hopkins University School of Medicine—Study links estrogen use with uterine cancer	Jan 10 18	Japanese study links glass-fiber dust and lung disease	Dec 5 51	OCAW imposes news blackout on negotiations with refinery workers	Jan 10 21
Jobba plant may become a source of cosmetics, pharmaceuticals, lubricants, surfactants	Feb 7 31	Kaiser backs summer job program for students	Jan 3 18	OCAW seeks reopeners clauses in contracts with refiners	Jan 17 18
—Letter	Mar 14 5	Kapone see Insecticides—Pesticides	June 13 45	OCAW's Mazzocchi wants company research data to be released to the scientific community	Sept 19 26
Jordan		Layoffs see Employment		OCAW's national ready for bargaining	May 16 22
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Potash complex building to begin	Jan 10 40	Asbestos: tests on home hairdryers show small amounts of asbestos	Aug 22 14	Plant closings: proposed bill would aid workers to take over plants being shut	Feb 14 23
		Benzene gloves defective, report finds	Oct 31 20	Plant sites 1980—report, John M. Winton Key labor cost data for all 50 states (table)	Dec 5 82
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		NIOSH asks end of commercial use	Dec 5 65	Retirement: Study says most want to keep working. Personnel managers are skeptical	Mar 28 32
		Brain-tumor deaths at UC's Texas City, Tex. facility studied	Feb 28 22	Rubber industry contracts: countdown to rubber bargaining	Feb 14 33
		NIOSH finds more brain cancer among chemical workers at UC and Monsanto Texas plants	Mar 14 19	Rubber industry: URW, Firestone T&R sign no-strike pledge	Feb 21 21
		Widows of two employees file suit over husbands' deaths from brain tumors	Apr 25 25	Rubber industry: URW reaches settlements with three of Big Four	June 27 23
		Five more tumor cases found at Carbide	Aug 8 22	Scott Paper's Everett, Wash. union accepts three-year contract	Feb 28 24
		Glass fibers: mortality study of workers exposed to glass fibers	Jan 3 18	Steelworkers push for stronger federal policy on safety and health	Sept 12 14
		HEW compiling list of workers exposed to dioxin	Aug 15 14	Strikes	
		Respirators: warning leads to suspension in sales of four respirator models	May 16 18	American Cyanamid's Bound Brook, N.J. workers return to work	Jan 31 19
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		Union Carbide's South Charleston, W. Va., chemical plant: NIOSH investigates cancer rates	Aug 29 24	Australian strikes may curb Japan's steel output	July 25 36
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Markets take healthy upturn	N	May 30	24
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Worldwide rosin market remains tight—outlook from Walter L. Cleaver, Sr., president, PDM Trading, Inc.	N	Oct 3	21
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Air Products plans to build its first European chemical plant	N	Dec 5	17
N Akzo may trim operations to boost profitability	N	May 2	60
N Capital spending (table)	N	Mar 21	30
N Foreign forecast: On balance, 1979 could be a pretty good year—report (charts & table)	N	Jan 24	23
N Labor: Outlook for labor peace in European CPI is bright this year	N	Feb 21	46
N LPG landing facilities approved for Rotterdam	N	Nov 7	48
N Lowlands CPI tries for new highs	N	July 11	34
N MTBE plants	N	Oct 17	69
N Strikes hit petrochemical plants	N	Oct 3	31
N Unions are seeking to reduce working hours: International Federation of Chemical, Energy and General Workers Unions Levinson backs drive	N	Apr 11	54
N UK's Gelsen plant explosion tightens ammonia market	N	July 25	36
N U.S.—Netherlands agreement on co-operative work in magnetohydrodynamics	N	Dec 12	50
N Wage settlements and general workers	N	Sept 12	42
N New Jersey Institute of Technology—Researchers seek acrylics that bond to teeth	N	Feb 14	35
N New Mexico State University—Solar flat-panel photovoltaic power system to supply 17.5 kw. of electricity to an El Paso, Tex., power plant gets funds from DOE	N	June 27	31
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N Nicotin-Lummus process makes niacin and nicotinamide from a single feedstock using the same equipment (flowsheet)	N	Aug 22	38
N Nickel—Coins: Susan B. Anthony "silver" dollars	N	June 27	40
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N Nitrobenzene—Texas waste-disposal firms probed by Congress	N	May 23	18
N Texas uses Browning-Ferris Industries over toxic waste spread on roads	N	June 6	19
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N 4-nitrodiphenylamine—Monsanto ANDPA reactor at W.G. Krummrich plant in Saugat, Ill.: blast won't disrupt supplies	N	Aug 8	19
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N Air Products and Chemicals industrial gas plant in Milwaukee	R	Nov 28	28
N Air Products liquid nitrogen plant in Santa Clara, Calif. R Feb 21-26	R	May 2	23
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N Fertilizer produced by side power	N	Aug 8	31
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N FDA finds nitrosamines in several cosmetics	N	Apr 18	14
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N OSHA won't issue final carcinogen policy before middle of next month. N Froines, John R. leaves to become deputy director of NIOSH	N	Dec 19	18
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National Boat Show: High-strength fibers find niche in boats	Jan 24 15	Fighting Island waste-disposal site in the Detroit River under scrutiny	Dec 12 24	LDPE: Australian expansion	R May 2 23
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Oil companies' share of chemical production capacities	Oct 17 74	Michigan finds PCB, DDT levels drop in Great Lakes fish	Feb 21 25	LDPE: Exxon LDPE plants to use Mitsubishi technology	R June 20 28
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Platinum-based drug, cisplatin, to treat testicular, ovarian cancers approved by FDA	Jan 3 34	Du Pont signs ICI with patent infringement of polyester patents	July 4 22	Du Pont signs PET deal with ICI	Jan 10 13
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Airborne laser detects spilled oil	AAAS meeting: joint corporate R&D projects called 'ineffective'	June 13 29	Jan 17 29
American Chemical Society 178th national meeting zeroes in on environmental and energy developments	Antifoulant research	Sept 19 44	July 25 43
Aspirin: can aspirin cut the risk of heart attack? Results of several studies, due out early next year, should clear up questions	Automotive catalysts: GM gears up for shift to richer catalysts	Oct 3 52	May 16 44
Biomass to ethanol without fermentation: Experimental technology for turning corn husks, rice hulls and pine trees into ethanol	Biomedical research expansion planned by Monsanto: cooperative research project with Canadian partners planned	Nov 28 38	Oct 31 17
California controversy imperils research at two federally-funded labs	Canada-Venezuela sign oil recovery R&D pact	Dec 19 73	June 13 40
Cancer: Short-term tests for cancer not yet perfected	Cancer drug from Monsanto: NED 137 N June 27-31	June 13 31	Aug 1 29
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CIT moves into new labs in Research Triangle Park, N.C.: Golberg's goal is to make CIT a center of excellence in toxicology	Coal conversion technology: Pittsburgh conference zeroes in on coal-gasification processes (tables & diagram)	Aug 8 32	Oct 17 51
Contraceptives: competition for 'pill' shapes up in lab; injections, implants now under study release drugs slowly, eliminating peaks	Cotton petrified by USDA researchers. N	Oct 17 51	Jan 17 27
Cyanoacrylates seek role as surgical adhesives	DNA	Aug 29 51	Sept 26 34
DNA is on the way to chemicals	Du Pont joins the DNA race	May 9 18	Jan 3 18
HEW relaxes rules for gene-splitting research	More firms join the DNA race	June 27 32	Aug 1 8
NIH may soon relax research guidelines	NIH panel gives nod to DNA work on vaccine	Sept 19 22	Dec 19 22
Research teams use recombinant DNA to make growth hormone	Searle makes flu virus antigens in bacteria	July 18 25	May 30 20
Du Pont's Kane seeks disease prevention	EPA did not exceed its authority by asking Dow to file health, safety and other studies rules Philadelphia Court	Dec 19 21	Sept 26 21
Ethanol: fermentation studies try to boost yields, cut process time	Fire ants fight cotton pests, researchers say	Aug 8 42	July 11 22
Fusion research center will be set up at Oak Ridge	Indian tree extract repels a wide range of insect pests from crops	Feb 7 36	Aug 29 50
Industry seeks university R&D contacts, but patent issue is barrier	—Letter	Feb 21 38	Mar 28 5
Innovation: ACS asks government to set national policy for innovation	Innovation: Carter's innovation stance due next month	Oct 24 14	Sept 12 18
Mixed reactions	Innovation: charting a course for innovation, Gordon M. Graff	Nov 7 54	Apr 4 38
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Integrated lab and office data systems save researchers time, money (chart)	Japanese companies step up technology licensing	Oct 10 47	Dec 5 66
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Laser probe permits analyses of chemical reactions as they occur	N Lignin sulfonates, wood chemicals, inject new life into tired oil wells	June 20 56	June 20 65
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Midland Conference seeks ways to bridge industry/academic gap	Midland meeting aim: tilting R&D upward	Oct 24 38	Oct 31 29
NBS facility will store environmental samples for future comparisons	NIH's peer-review system for handing out grants to be surveyed by GAO	Dec 12 50	Oct 10 14
Nobel Prize (1979) in chemistry to synthesis pioneers Herbert C. Brown and George Wittig	Nuclear-waste disposal materials: ceramics gain on glass	Oct 24 19	May 9 30
OTA sets up list of long-term objectives	OTA study will look at applied genetics. Oil from algae: Pennsylvania State Univ. researcher Engel develops algae-to-oil process using hydrogen (table)	Nov 24 23	July 18 43
Olin develops cluster-like silicate esters that withstand water	Other views: Business and government: an alliance for growth, Edward Donley	Mar 7 37	July 18 5
Other views: Do we really need a chemical industry? Paul Orefice	Pittsburgh Conference focuses on refinements	Oct 31 5	Mar 14 39
R&D grants to big firms are stifling small ones House report says	R&D spending: Carter makes pitch for federal R&D support	Jan 10 23	Apr 4 18
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R&D spending: NSF predicts 1980 R&D spending in U.S. will top \$57 billion	R&D spending: NSF report says nation's universities play key role in basic R&D	Jan 31 14	May 30 14
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R&D spending: U.S. R&D spending will top \$50 billion in 1979	Roche Australia, Roche Analytical Services, analytical laboratory	Jan 3 34	Nov 21 22
SRI's one-step silicon process could slash solar cell costs	Saxas half-scanning device tracks trace elements	Sept 5 76	Sept 12 53
Silicon-fluorine-hydrogen semiconductor material developed by Oshinsky could yield low-cost solar cells; DOE to consider funding	Solar cell probes focus energies on cost cuts	Jan 3 36	July 11 30
Specialties lure chemical market researchers	Summit nations discuss energy R&D funding	Feb 21 40	Oct 31 30
Synfuel program draws fire: Rand study warns of cost overruns	Synfuels: How much, how soon?—Views of companies' executives (charts)	July 18 22	July 18 20
Synthetic fuels see Fuel—Synthetic	Synthetic oil: tapping the gopherweed	Dec 12 53	May 30 55
Texas Instruments' silicon-based system promises to reduce cost of solar cells	Textile researchers seek new technique for separating water mixtures (flow-sheets)	June 6 42	June 6 38
Thermoplastic elastomers: research extends uses into auto and adhesives markets	Thin-layer chromatography is being adapted to detect mutagens and carcinogens	June 6 38	Feb 14 41
Toxic levels on sprayed farmlands measured with new device	Toxicology Forum: needed—better studies of links to cancer	Nov 14 51	Feb 14 39
Toxicology lab: new tests open	Trees: rapid tree-growing may make forests major source of CPI products	Feb 28 48	Jan 31 46
UC closes corporate research laboratory in Tarrytown, N.Y.	UN calls for research in pest-control methods	Jan 10 33	May 30 27
Uranium-enrichment technique called the Haga process: inventor Gazda claims new process cuts cost of nuclear fuel by 90% (diagram)	Uranium wastes being tested as fertilizer for cattle feed	May 30 27	Sept 5 73
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Ashtland Chemical, Celanese City, Ill., resin plant destroyed by explosion last year to be rebuilt	Bisphenol A will grow with polycarbonate (table)	Dec 5 50	Apr 17 35
Bottle resin market will more than double this year, Goodyear says	Epoxy formulation for windshield repair	Nov 7 8	Apr 4 45
General Electric aims new epoxide resin at polyester and polyurethane markets		June 6 26	
Hungary's potential for plastics exports grows	Markets: record volume tightens major plastics markets (charts & tables)	Aug 1 32	Feb 28 15
Monsanto abandons phenolic resin price rise	Prices N Jan 10-24, N Feb 28-27, N June 13-36, N July 4-28	Nov 7 28	Oct 24 28
Printing-ink specialists: chemical regulations, economics change mix	Synthetic Oil Corp. of America purchases Cargill alkyd resin plant in Philadelphia	Feb 28 58	July 25 24
Synthetic resins: U.S. producers of plastic resins launch new round of expansion projects (table)	—Letter	Sept 5 16	Nov 7 8
UC to double capacity of phenox resin plant at Bound Brook, N.J.		May 2 13	
Respirators			
NIOSH warning leads to suspension in sales of four models	U.S. Steel and OSHA agree on respirators for coke-oven workers	May 16 18	Mar 21 38
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Personnel managers are skeptical	Rhodum—Huels will switch to low-pressure, rhodium-catalyzed oxo process	Apr 18 30	Jan 10 52
Rhimmer, Jack, head of W. R. Grace's Technical Products Group: He aims to make his big group bigger	Rodenticides—Rohm and Haas stops selling Vador rodenticides	May 30 22	Sept 26 69
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Naval stores market: International Naval Stores Conference	Naval stores markets take healthy upturn	May 9 24	May 30 24
Production up	Worldwide rosin market remains tight—Outlook from Walter L. Cleaver, Sr., president, PDM Trading, Inc.	Dec 5 49	Oct 3 21
Rubber			
Chemical Week 300-report, Homer G. Starr (table) Feb 28-41, Apr 25-43, May 30-51, Aug 29-40	Goodyear uses microwaves to devulcanize rubber	Nov 21 42	May 23 35
N India's CPI is stalled by political crisis (table)	International Federation of Chemical, Energy and General Workers Unions cites danger to rubber workers	Sept 19 36	Mar 28 37
Labor contracts: countdown to rubber bargaining	Mobil shows how ZSM-5 family of zeolite catalysts make gasoline from big molecules	Feb 14 33	Oct 10 42
Mohawk Rubber employees—out of work since Akron tire union closed—want to buy and run the plant	Prices: silicone rubber	Jan 17 34	Feb 28 27
Prices: two synthetic rubbers	Reichhold Chemicals Hackettstown, N.J., plant doubles capacity for making Solprene rubber shoe-sole materials	Apr 18 26	Oct 24 24
Shoe-repair specialties: jogging shoes add new life to market	Thermoplastic elastomers: research extends uses into auto and adhesives markets	May 16 41	June 6 38
Tire makers face flat sales in the 1980s (chart & table)	Tires see also Tires	June 6 38	May 30 16
Uniroyal fights contract debarment on grounds that it discriminated against women and minorities	Uniroyal's footwear and sponge rubber operation purchased by Equities Holding Corp.	July 11 20	Mar 21 26
URW, Firestone T&R sign non-strike pledge	URW on strike at Uniroyal sites	Feb 21 21	May 16 22
URW reaches settlements with three of Big Four	Wage-price guidelines: rubber firms may be hit for guideline violation	June 27 33	July 4 20
Russia			
Ammonia dumping charged by U.S. producers	Producers ready ITC positions	July 18 24	Aug 29 23
U.S. ammonia firms carry complaint to ITC	Soviet ammonia—said to disrupt U.S. market	Sept 5 17	Oct 10 18
Brezhnev complains about idle chemical capacity	Chemical firms will miss production targets in 1979	Dec 5 51	Nov 7 48

CPI output is falling behind goals	N May 23-30	26
Fertilizer plans	Apr 25	25
Foreign forecast: On balance, 1979 could be a pretty good year—report (charts & table)	Jan 24	23
Italian chemical firms sign pacts with Russia	Nov 7	48
MHD: Control Data to market Soviet MHD technology in U.S.	Dec 19	70
MHD power plant at Ryazan	Aug 22	44
Oil recovery: Enhanced (or tertiary) recovery investigated	July 18	42
Oil-recovery efforts will get a boost from nonionic-surfactants plant	Nov 28	42
Oil sales to Italy slowed	Jan 31	31
Oxy fertilizer deal	May 30	18
Potash market	Aug 22	34
Rail transport problems curb Soviet output	Aug 22	44

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Safety		
Aerosols see Aerosols		
Automobiles see Automobiles		
Borden will appeal in worker-information case	May 30	21
Chemical firms plan hazardous-materials accident-data system	July 18	34
Du Pont fungicide Benlate cleared for use if workers wear protective equipment	Sept 12	14
Du Pont's Kane seeks disease prevention	Dec 19	21
Earthquake warning for chemical plants studied	May 9	34
Explosions see Explosions		
Fatal safety controversy: cases at American Cyanamid and Allied Chemical	Jan 10	18
NIHHS studies effects of four chemicals on the fetus	Jan 31	21
OSHA seeks \$24,000 in fines from Cyanamid	May 16	25
Cyanamid is charged in sterility case	Oct 17	23
Fires see Fires		
Flammability standards see Flame Retardants		
Flammability testing: Ontario Research Foundation's DiNuccio describes new system at Canadian specialties meeting	Oct 31	34
Hazardous materials see Shipping—Hazardous materials		
Hazardous tasks: Supreme Court will rule on whether workers may refuse hazardous tasks	Oct 10	14
Innovation fail blamed on environmental and safety rules Jan 24-40	Jan 31	19
Insulation see Insulation		
Interagency Task Force on Workplace Safety and Health recommends use of economic incentives	Jan 3	19
International Federation of Chemical, Energy and General Workers Unions cites danger to rubber workers	Mar 28	37
Investments in worker safety and health: McGraw-Hill Economics Dept. survey (table)	May 30	59
Italy: Montedison told to close some units at Priolo, Sicily, complex	Dec 12	26
Japanese study links glass-fiber dust and lung disease	Jan 3	18
Kepone see Insecticides—Pesticides		
Legislation would set criminal penalties for concealing safety risks	Aug 8	14
NIOSH		
Arsenic warning due soon	July 18	24
Asbestos: tests on home hairdryers show small amounts of asbestos	Aug 22	14
Benzene gloves defective, report finds	Oct 31	20
Benzidine-based dyes may be carcinogenic	Nov 21	14
NIOSH asks end of commercial use	Dec 5	85
Brain-tumor deaths at UC's Texas City, Tex. facility studied	Feb 28	22
NIOSH finds more brain cancer among workers at UC and Monsanto Texas plants	Mar 14	19
Widows of two employees file suit over husbands' deaths from brain tumors	Apr 25	25
Five more tumor cases found at Carbide	Aug 8	22
Glass fibers: mortality study of workers exposed to glass fibers	Jan 3	18
HEW compiling list of workers exposed to dioxin	Aug 15	14
Respirators: warning leads to suspension in sales of four respirator models	May 16	18
Standards to protect workers from hazards in confined areas called for	Dec 19	18
Union Carbide's South Charleston, W. Va., chemical plant: NIOSH investigates cancer rates	Aug 29	24
Nuclear vs. fossil fuel safety record comparison suggested—Letter	Oct 10	5
Nuclear safety see Atomic Power; Uranium		
OSHA		
Amvac Chemical cited for failure to report DBCP use	Feb 7	18
Awards contract for study of generic pesticide standard	Aug 22	14
Ball at AAS meeting discusses worker and consumer protection	Jan 17	29
Benzene: Justice Dept. petitions court	Jan 3	19

Supreme Court will review ruling against benzene standard	N May 23-30	26
Justice argues for benzene rule	May 30	22
High Court to hear benzene case	Oct 3	18
High Court hears benzene arguments	Oct 17	53
Brain-tumor deaths at UC's Texas City, Tex. facility studied	Feb 28	22
NIOSH finds more brain cancer among chemical workers at UC and Monsanto Texas plants	Mar 14	19
Widows of two employees file suit over husbands' deaths from brain tumors	R Apr 25	25
Five more tumor cases found at Carbide	Aug 8	22
Cancer-policy analysis: AHC released	Jan 24	13
Cancer policy is attacked before it's out	Dec 12	18
Cancer: OSHA won't issue final carcinogens policy before middle of next month	Dec 19	18
Chicago seminar: Health issues dominate	Sept 19	26
Chlorine exposure standard: stricter standard delayed	N Feb 21	18
Ceiling set on exposure to chlorine	July 25	23
Court stays enforcement of OSHA's revised standard	N Oct 24	14
Coke: API asks Supreme Court not to review standard	Jan 31	21
Cost-benefit analyses opposition reaffirmed	May 23	14
Fike agrees to settle with OSHA for \$100 to settle dispute over Nitro, W. Va. plant	May 16	27
Government plans to press criminal charges against OSHA violators	Aug 15	21
Is there a workplace cancer epidemic?	Sept 26	44
OSHA seminar hears both sides	Oct 3	44
—Correction	Nov 7	8
—Letter (correction)	Oct 3	14
Labor Dept. taken to court over disclosure of workplace hazards	Apr 4	18
Labor rallies to resist attempts to weaken OSHA	N Feb 7	14
Lead standards delayed	N Mar 7	14
Court stays enforcement of OSHA lead standard	Oct 31	14
Lead-standard appendices	N Aug 15	14
Procedures for response to employee complaints about hazardous working conditions will be changed	N Mar 21	38
OSHA and NIOSH agree on respirators for coke-oven workers	May 2	14
OSHA and NIOSH may be patching up differences	July 4	53
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Pipeline safety see Piping		
Pollution control see Air Pollution; Environment; Water Pollution		
PBBs see Polychlorinated Biphenyls		
PCBs see Polychlorinated Biphenyls		
Product responsibility programs: companies track chemicals from production to disposal	July 4	53
Railroads see Railroads		
Regulatory Council calendar lists rules that will take effect in next six months	Mar 7	14
Docket of proposed 1980 rule-making actions	Dec 12	19
Safety-glazing market may open, if CPSC weathering tests for plastics are eliminated	Nov 21	19
Steelworkers push for stronger federal policy on safety and health	Sept 12	14
Terrorism see Terrorism		
Three Mile Island, Pa. nuclear accident: More doubts about nuclear power	Apr 11	22
—Letters June 13-5	Aug 1	5
Toxic Substances Control Act see Law		
Transportation safety task force disbanded, with many goals reached	Feb 28	57
Union program to study workplace hazards	Sept 19	18
Unions stressing health issues in new chemical industry contracts	Apr 18	33
U.S. Criminal Code revision contains new felony offense called "endangerment"	Dec 12	26
WHO studies exposure levels for heavy metals	June 27	36
Salaries		
Annual retainers paid to outside directors of 90 of the top 100 U.S. industrial companies	Aug 29	49
Chemical engineering graduates are in short supply, industry finds	Nov 14	78
Chemical engineers: Search for minority ChEs is heating up	June 27	47
Executive compensation: highest-paid officers of U.S. chemical companies; SEC disclosure rules require conspicuous display of executive pay details (table)	Apr 25	56
Starting salaries for scientists and engineers hit a new high in 1979	Dec 19	18
Wage-price guidelines	Jan 10	17
COWPS sets wage-price rules	Feb 14	18
GAO says contracts can't be withheld from wage-price offenders	Mar 14	17
Chemicals are targeted as "trouble spot" under wage-price guidelines	Mar 21	21
COWPS clamps down on price standard	Apr 18	17
"Windfall" tax: lines drawn	May 2	21
Cartar outlines proposed plan	May 9	17
Price guidelines begin to pinch an already cost-burdened CPI	May 9	17

Unions win round in court fight against wage-price guidelines	June 6	19
CPI firms get pricing relief from COWPS	June 20	22
Rubber firms may be hit for guideline violation	July 4	20
Court rules President may keep federal contracts from guideline violators	July 11	14
Hess gets off COWPS noncompliance list	July 25	19
COWPS still monitors profit-margin tallies	Aug 1	14
COWPS readies revised wage-price guidelines	Aug 15	18
Industry wants leeway on wages and prices	Sept 12	18
Squibb found to be out of line with price guidelines	N Sept 19	18
COWPS, Goodrich agree on compliance	Oct 3	19
Pay Advisory Committee (PAC): Businessmen cool to new wage committee	Oct 10	24
PAC: Wage panel has two weeks to set guidelines	Oct 24	19
OCAW says 'no' to wage-increase guidelines	N Oct 31	13
Squibb in complete compliance on prices says COWPS	Nov 14	42
PAC: Division developing over pay board stance	Dec 5	28
Sales Association of the Chemical Industry Survey sees no end to boosts in cost of selling	Mar 28	31
Salt—Australian producers prospects brighten	Sept 12	42
Saudi Arabia		
Economic growth slowdown seen in Rand Corp. study	Jan 31	18
Industrial-gas venture: UC to make investment	Jan 17	13
Japan-Saudi methanol unit gets new investors	Nov 21	28
Oil contract with Italy cancelled	Dec 12	56
Pullman Kellogg picked to design fertilizer plant	Sept 5	69
Shell awards hydrogen plant contract to Uhde GmbH	Aug 1	18
Shell/Exxon projects in Saudi Arabia mired in negotiations	May 9	13
Scotland		
Borg-Warner Chemicals methyl methacrylate butadiene styrene resins plant onstream at Grangemouth	June 13	40
Gas-separation plant delayed	May 9	40
Construction still in doubt: Shell and Esso fight for U.K. petrochemical base	July 4	48
U.K. gas-separation unit is okayed, faces more delay	N Aug 22	35
Gas-separation unit is challenged—gain	Oct 3	31
Screening Equipment—Joint venture will make Swedish particle sizer in the U.S.	Oct 17	40
Scrubbers—TVA/EPA cleanup pact supported by White House	Mar 21	25
Settlement may get tied up in court	May 2	18
TVA admits to error on steam plant scrubbers	Aug 8	21
Sealants		
Chemical Week 300—report, Homer G. Starr (tables) Feb 28-39, Apr 25-33, May 30-48, Aug 29-36	Nov 21	42
GE's silicone sealants feature paintability, low odor	Jan 31	36
Selling		
Plaggyback sales beef up French chemical firms	Aug 1	30
SACI Survey sees no end to boosts in cost of selling	Mar 28	31
Semiconductor Materials—Ametek, Inc. files for patents on thin-film semiconductor materials that can be used to make low-cost photovoltaic solar cells	Nov 7	47
Semiconductors—Tiny components—big markets (table)	Nov 21	15
Separation		
Elbow-separator evaporator	Dec 5	68
Hollow-fiber device separates hydrogen from waste-gas streams	Nov 21	46
Othermer at Midland meeting: separations on a magnificent scale	Oct 31	29
Separation equipment: Chem Show exhibitors	Nov 14	68
Shale Oil		
Ashland process converts shale oil into jet fuel	June 13	23
Brazil plans construction of oil-from-shale plant	June 27	36
Canada: Oil-recovery R&D pacts are signed	June 13	40
Colorado study says shale-oil producers will have more than enough water	Aug 8	21
Colorado tract C-A: Rio Blanco sales surface retort for oil-shale test	July 25	46
Commercial retort for vertical modified in-situ oil-shale operations: DOE proposes crash program	Oct 10	28
Court rules oil shale could be defined as a "valuable mineral"	Feb 7	22
DOE has \$3.5 million to spend to develop novel ways to recover shale oil	July 11	25

DOE is readying shale-oil loan guarantees	Nov 28 23	SRI's one-step silicon process could slash solar cell costs	Sept 5 76	California controversy imperils research at two federally-funded labs	Dec 19 73
DOE seeks \$9-billion budget for 1981	Dec 5 26	Solar cell probes focus energies on cost cuts	July 11 30	DOE to spend \$21.5 million for photovoltaic projects	June 27 31
Electrical field may help recover oil from shale	Oct 24 38	Texas Instruments' silicon-based system promises to reduce cost of solar cells	May 30 55	DOE to sponsor first solar facility linked to a chemical plant	Sept 5 76
Heavy-oil recovery: enhancing the outlook	June 13 24	Silicon-fluorine alloy developed by Oshinsky could yield low-cost solar cells; DOE to consider funding	Jan 3 36	Dow's Dalton, Ga. plant may use solar power to generate steam	Jan 17 28
Israelis test lasers for extracting hydrocarbons from shale deposits	Jan 24 38	Silicon Nitride—Australians show silicon nitride works as bone and joint implant	Sept 26 69	GE gets contract to design prototype of newest solar collector	Sept 12 48
N Leases: Supreme Court to review decision rejecting Interior effort to invalidate Western oil-shale leases	Oct 10 26	Silicones		Nitrogen fertilizer produced by solar power	Aug 8 31
MIT study says water needs do not limit potential for synthetic fuel	Jan 17 27	GE's silicone sealants feature paintability, low odor	Jan 31 36	SRI's one-step silicon process could slash solar cell costs	Sept 5 76
Occidental Petroleum retorts to produce oil shale in situ: project moves forward	Oct 24 24	Great Britain: Dow Coming to receive \$40.7 million subsidy for South Wales silicone products plant	Sept 19 17	Silicon-fluorine-hydrogen semiconductor material developed by Oshinsky could yield low-cost solar cells; DOE to consider funding	Jan 3 36
Rockcor's Astrofrac explosive fracturing process aims to recover more natural gas from shale	Jan 31 37	Industrial silicone prices	Oct 17 54	Solar cell probes focus energies on cost cuts	July 11 40
Shale oil as a jet-fuel source studied	Sept 5 22	Rubber prices	N Feb 28 27	Solar power may gain more substantial foothold in CPI plants this year	Feb 7 37
Synthetic fuels see Fuel		Silver		Solar-powered primary reformer for ammonia plant operated by Valley Nitrogen Producers, Inc.	Sept 12 27
Utah oil shale: High Court move will delay White River Oil Shale Project	June 20 28	Chilean deposit	R Apr 4 26	Texas Instruments' silicon-based system promises to reduce cost of solar cells	May 30 55
Shampoos—Cosmo Expo session on hair-care items	May 2 50	Prices	N July 25 33	Thermal energy "storage battery" systems will cut home heating costs in half	May 16 48
Shelby, Anthony O. ("Tony"), president of American Thermoplastics Corp.: He learned the resin business "language"	Dec 5 88	Singapore		Thermochemical cycle uses solar collectors to produce hydrogen, CO	Aug 15 38
Shipping		Asian countries plan a common market for drugs	Sept 19 39	Solvents	
Chemical shippers have big stake in reconstruction of Alton, Ill., locks: deteriorating waterways may slow growth of chemical barge traffic	Nov 14 86	Petrochemical complex prospects brighten	N May 16 35	Aliphatics solvents makers hurt by high feedstock costs	Feb 28 51
Columbia shipping rates protested by chemical firms	Feb 7 22	Complex moves ahead N Aug 1-32	Oct 31 30	Carbon adsorption solvent recovery system from Lurgi licensed by Dederot Corp.	Dec 12 50
Diesel fuel: Emergency allocations pinch some shippers	June 20 18	Phillips Petroleum nears HDPE deal in Singapore	June 6 13	New York seeks to curb solvents in groundwater	Apr 4 24
Diesel-fuel shortage hits chemical carriers	July 4 28	Sumitomo gives go-ahead to petrochemicals complex	Feb 7 24	Prices N Jan 31-24, N Feb 7-30, N June 27-29	Oct 10 39
N Availability eases but wary shippers eye costs	July 18 52	Sizers—Joint venture will make Swedish particle sizer in the U.S.	Oct 17 40	Printing-ink specialty chemicals: regulations, economics change mix	Feb 28 58
Emergency chemical shipments are not given priority status	July 18 33	Snodgrass, James M., president of Unitech Chemical Inc.: He's a trained engineer but prefers operations	May 16 64	Trichloroethylene cleared by new Italian studies	Feb 14 37
N Great Britain: strike hurting chemical makers Jan 24-15	Jan 31 31	Soap		Witco Chemical solvent treating area of Golden Bear refinery at Oildale, Calif. expansion	Dec 5 43
Truck strike ends, but problems linger	Feb 21 48	Canada: Law discusses soap and detergent raw materials at Canadian specialties meeting	Oct 31 34	Sorgenti, Harold A., president of Arco Chemical Co.: Almost a CE dropout, he stuck and made it big	Aug 29 60
Hazardous materials		Household product sales: How the Big Three dominate the market (chart)	Jan 24 44	South Africa	
Canada: Ellison discusses transportation of dangerous goods at Canadian specialties meeting	Oct 31 34	P&G expanding Staten Island, N.Y., plants	Feb 14 9	Coal gasification plant Sasol II to be expanded	Mar 7 23
Canadian shippers set emergency response system	Feb 7 29	Yardley of London's English Lavender liquid soap formulation	Mar 28 40	Coalplex, coal-based polyvinyl chloride plant at Sasolberg has good first year	Aug 22 44
N Chemical firms plan hazardous-materials accident data system	July 18 34	Society of Automotive Engineers—Annual meeting: Better ideas may cut auto weight	Mar 7 22	Dow at odds with Michigan State over South Africa policy	Jan 17 34
DOT plan to identify hazardous cargo by numbers: experts will debate the merits	Aug 15 34	Society of Chemical Industry—Symposium deals with "economic and political factors affecting the international chemical industry"	Oct 10 19	University will accept Dow's contributions	Feb 7 27
Correction	Sept 19 35	Society of the Plastics Industry		Letter	Mar 28 5
DOT proposes UN system for identification of hazardous goods	June 6 26	FTC nixes SPI plan for statistical forecasting	June 6 14	Sasol coal conversion methods to be sold in U.S.	Sept 5 76
N Drumming: tighter regulations proposed	Jan 31 24	Polypropylene markets (chart & table)	Oct 24 29	N Sweden bans investments in South Africa	June 20 46
FRA orders Louisville & Nashville RR to lower speed of all trains carrying hazardous materials	Feb 14 18	RP/CI: High-strength fibers find niche in boats	Jan 24 15	South America—South America: set for growth? (tables)	May 23 25
N FRA releases list of worst U.S. railroads	May 23 14	Soda Ash		Southwest Chemical Assn. — Amoco's Brennan gives rosy forecast for petrochemicals	Feb 14 17
N Inter-Industry Task Force on Rail Transportation of Hazardous Materials disbanded, with many goals reached	Feb 28 57	European soda makers complain about dumping	Mar 7 33	Space Technology	
Louisiana seeks new hazardous-materials transportation laws	Feb 14 29	FMC's trona technique sparks major development program at Green River, Wyo.	Dec 12 17	Du Pont's Kevlar will be used on Army RPVS	Sept 12 20
NTSB study scores railroad safety programs for hazardous materials	Apr 11 23	PG Corp. seeking soda ash partners for Green River Basin Wyo.	Aug 15 35	NASA spacecraft will get data on aerosols, ozone in stratosphere	Feb 28 14
Penick Corp. custom agents compare notes on controlled substances	Mar 7 42	Prices N Mar 7-32, N June 20-32	Nov 28 40	Spain	
Railroad derailments see Railroads "Superfund" for oil and hazardous waste spills see Waste Disposal		Thailand plant	Apr 18 26	Argonnes and Union Explosives Rio Tinto merger halted by construction delay	June 13 40
Transportation Dept. seeks stronger rules on hazardous chemicals	Mar 7 14	Sodium Bicarbonate		Capital spending (table)	Mar 21 30
N Program under fire	May 2 14	Carpet fresheners	Nov 28 46	Elections worry CPI executives	Mar 14 40
N Transportation safety group scores DOT rules	Sept 12 19	Nahcolite will be tested for sulfur removal in coal-fired power plant	Oct 31 40	Ethylene plant at Bilbao: Petronor shelves plans	Aug 1 32
Lock and Dam 26 clears major legal hurdle	Oct 31 39	Sodium Bisulfite—Coast Guard probe clears sodium bisulfite in asphyxiation death of two crewmen aboard shrimp fishing vessel	Aug 22 37	Ethylene plant at Huelva approved	Oct 10 22
N Maritime study seeks upgrading inland ports	July 25 19	Sodium Borohydride — Ventron study shows sodium borohydride may help distillation efficiency	June 6 35	Ethylene project delayed again	
Midwest blizzard slows shipments	Jan 24 37	Sodium Chlorate—Prices N Mar 21-32, N Sept 26-46	Dec 19 69	Foreign forecast: On balance, 1979 could be a pretty good year—report (charts & table)	Jan 24 23
Netherlands: LPG landing facilities approved for Rotterdam	Nov 7 48	Sodium Metasilicate—Prices	Feb 21 30	Foreign investment in CPI rises sharply (charts & table)	June 20 46
N Ocean shipping capacity is okay for now	Feb 28 27	Sodium Nitrite see Nitrites	Sept 12 36	Monsanto to close some Spanish polystyrene units	Dec 19 26
N Plant sites 1980—report, John M. Winton		Sodium Silicate—Prices	Jan 17 36	Pollution: CPI faces production cutbacks to help reduce pollution	Oct 10 40
How transportation shipping costs compare (table)	Dec 5 81	Sodium Stannate—Prices		Price increases postponed	Jan 10 39
Tenneco computerized order-processing and inventory-control system called TOPICS	May 23 16	Sodium Sulfate Decahydrate—Polyester film package may cut home air-conditioning costs	Aug 1 27	Sinor-Kao fatty acids plant at Barcelona	Aug 15 24
Winter snarls: How CPI plans to steer clear of winter snarls	Jan 17 24	Sodium Sulfites		Specialty Chemicals	
What's being done to get railroads to go in snow	Jan 17 25	Allied expansion in North Claymont, Del.	Oct 24 24	Beatrice Foods Co. finds recipe for success in specialties	Sept 5 71
Shipping see also Barges; Railroads; Tankers; Trucks		Virginia Chemicals buys Monsanto product line	Aug 29 33	CMRA pegs growth for chemical specialties	Dec 12 39
Shoes—Shoe-repair specialists: Jogging shoes add new life to market	May 16 41	Sodium Tripolyphosphate—Arab countries will build synthetic-detergent plant	Nov 14 76	Chemical Specialties Manufacturers Assn. 86th annual meeting theme "The American Initiative"	Dec 12 39
Silica—Silica pigments prices	Nov 14 44	Soil Mechanics—Engineering fabrics provide solid support for roads, drainage systems	June 6 32	Specialties companies sales and earnings	Nov 7 41
N Silicate Esters—Olin develops cluster-like silicate esters that withstand water	Mar 7 37	Solar Power		Specialty chemicals lure chemical market researchers	Feb 21 40
Silicates—Prices N Sept 12-36	Dec 5 49	Ametek, Inc. files for patents on thin-film semiconductor materials that can be used to make low-cost photovoltaic solar cells	Nov 7 47	Specialty markets face good growth prospects (chart)	Dec 5 28
Silicon		Battelle studies silicon fabrication for low-cost solar cells	Mar 7 35		
Monsanto to build major silicon materials plant in Spartanburg, S.C.	June 13 13				

Sri Lanka—Liberalizing import and foreign-exchange controls	May 9 39	Demand is strong, spot prices keep rising	July 25 33	Switzerland	
Stabilizers—Polyvinyl chloride heat stabilizers prices	Oct 31 39	Freepoint Minerals Co. diversification program: Company now holds a "full house" of profitable businesses	May 23 17	Capital spending (table)	Mar 21 30
Standardization		Freepoint Sulphur plans new mine in Louisiana	Oct 3 13	Cholesterol's role in cancer study	Jan 10 34
CPSC weighs furniture flammability standard	Nov 14 41	Great Britain: R.V. Chemicals plans inorganic sulfur compound plant	Jan 24 17	Federal law prohibits gross disposal of hazardous wastes	Aug 8 44
CPSC defers decision	Dec 5 18	India and Morocco hit by shortage	Feb 28 51	Firestone Tire & Rubber Co.'s Swiss subsidiary ordered to pay a \$1.6-million penalty for alleged violation of a union contract at the Pratten tire plant	Dec 5 27
EPA plans rules for pesticide containers to protect workers	Aug 15 22	Inventories slide N May 23-24	Aug 8 18	Firms welcome stabilized currencies	May 9 39
EPA proposes standards for TSCA chemicals tests	June 27 18	Plasticized sulfur will be a road test in Texas	Feb 7 38	Personal-care products survey	Jan 24 44
FTC's proposed rule: standard setters face new federal standards	Jan 3 39	Sulfur-based road-paving material, dubbed Sulphix, could replace asphalt	Aug 15 18	Production in first-quarter '79 up, sales down	July 4 47
Insulation		Prices N Jan 3-40, N May 16-30, N Aug 8-23, N Aug 15-35	Nov 14 44	Synthesis	
CPSC turns down request to set standards for home insulation	Mar 14 14	Prices: Canadian Mar 7-32	Sept 5 85	Catalysts report, Donald P. Burke (charts & tables) Part II: Chemicals—Organic synthesis	Apr 4 58
Cellulose insulation: CPSC amends standards	July 18 18	Shortage seen in new study	May 18 30	Cyanogen from hydrogen cyanide and oxygen: ACS meeting	Apr 11 45
OSHA awards contract to Centaur Management Consultants for study of generic pesticide standard	Aug 22 14	TVA's researcher Noggle reports air-pollution rules may be taking sulfur out of green plants	Feb 21 23	Nobel Prize (1979) in chemistry to synthesis pioneers Herbert C. Brown and George Wittig	Oct 24 19
Safety-glazing market may open, if CPSC weathering tests for plastics are eliminated	Nov 21 19	Texasgulf to sell sulfur recovery unit at Whitecourt, Alberta	Jan 17 22	Synthetic Organic Chemical Manufacturers Assn.	
Urethane trade organization asks for national combustibility performance standard	Sept 12 25	World fertilizers study, IFDC, TVA sees tightening markets (chart)	May 16 31	Chides EPA for its handling of chemicals inventory	Aug 1 10
Stanford University		Sulfur Dioxide		MCA-SOCMA delegation meet European chemical trade associations to discuss toxic-substances regulations	Mar 7 39
FDA commissioner Kennedy resigns to take post at Stanford	Apr 25 18	California air rules: San Francisco Bay area companies take their case to court	July 4 19		
Low-cost catalysts called "face-to-face" porphyrins for fuel cells could widen their uses	Sept 5 76	Prices	Aug 22 32	T	
Marden suggests converting Prudhoe Bay gas to methanol cheaper than building pipeline	Oct 3 43	TVA's researcher Noggle reports air-pollution rules may be taking sulfur out of green plants	Feb 21 23	Tagants	
Tin-nitride process to recycle nuclear fuel: Battelle study due	Nov 21 46	Sulfur Dioxide see also Air Pollution; Desulfurization		Conference Board study warns of growing terrorism, adds to debate over tagants	Nov 28 23
Starch—Superabsorbents seek markets that are super	July 18 40	Sulfur Trioxide—Prices	Aug 22 32	Microtagants help trace suspect in Baltimore bombing	July 11 41
State University of New York		Sulfuric Acid—Prices N Jan 17-35, N Jan 24-37, N Aug 22-32	Aug 29 33		
Ocean-disposal trial set for treated power-plant wastes	Jan 24 38	Sulfonyl Chloride—Prices	Aug 8 23	Taiwan	
Polycrystalline silicon studies	July 11 30	Surfactants		Can Taiwan do business as usual?	Jan 3 23
Statistical Forecasting—FTC nixes SPI plan for statistical forecasting	June 6 14	Block polymers: CSMA meeting	May 23 34	Formosa Plastics signs know-how contracts for Taiwan plants	May 30 28
Steam		Energy, environment to rule surfactants market: Colin A. Houston & Assocs. study	Nov 7 40	Hercules joint-venture polypropylene plant to be expanded	Aug 1 18
DOE wants to sell big steam users on fluidized combustion	May 23 35	European market—research reports	June 27 40	Intermediates exports control tightened	Mar 28 37
Dow's Dalton, Ga. plant may use solar power to generate steam	Jan 17 28	Jobba plant may become a source of surfactants	Feb 7 31	Petrochemical buildup continues	Nov 12 42
Fluidized-bed combustion of coal: ready for generating process steam (flow-sheet)	Mar 7 36	Letter	Mar 14 5	Talcum Powder—Morgantown Talcum powder case (1972): French criminal court begins to hear testimony	Oct 31 22
HOP's steam technique promises more efficient heavy-oil recovery	July 25 45	Lignin sulfonates, wood chemicals, inject new life into tired oil wells	June 20 65	Tanks—Underground storage tanks: Steel, plastics bid for storage tank sales	Sept 19 52
Steam, Geothermal see Geothermal		Oil-field specialties boom	Feb 14 30		
Steel		Prices	Feb 21 30	Tariffs	
Chemical Week 300—report, Homer G. Starr (tables) Feb 28-41, Apr 25-40, May 30-49, Aug 29-40	Nov 21 36	Soviet oil-recovery efforts will get a boost from nonionic-surfactants plant	Nov 28 42	Argentina reduces tariffs on some petrochemicals	July 18 38
Coatings for bridge steelwork	Aug 29 53	Shepan Chemical expanding Maywood, N.J. plant	Jan 10 45	Benzenoid imports exceed U.S. output (table)	Aug 1 16
Foster Wheeler offers steelmaking process that uses aluminum wastes	Feb 28 48	Surfactant-chemical sales	Sept 26 46	DOE opposes plan for tariff on imports of oil products	Nov 21 14
Underground storage tanks: Steel, plastics bid for storage tank sales	Sept 19 52	Witco Chemical Corp. Houston Organic Division: surfactants capacity boost R	Sept 26 69	GATT	
U.S. Steel closures will cost Union Carbide some business, but could boost the sales of Air Products and Chemicals	Dec 5 21	Sweden		"Tokyo Round" agreements: Tough bargaining ahead	Jan 10 16
Steel Structures		Aerial spraying of defoliant becomes a campaign issue	Sept 5 69	Carter seeks backing for new trade plan; chemicals stay aloof (charts)	Feb 7 15
Coatings for bridge steelwork	Aug 29 53	Bofors Lakeway Inc.'s vice-president Haakan Cederberg: This Swede doesn't fit the mold	Sept 12 60	Strauss textile pact clears trade bill path	Feb 28 19
Steroids—Cobalt-polymer catalyst provides low-cost route to steroids, hydrocarbons	June 13 23	Cadmium imports to be banned	Sept 5 69	Agreement reached in Geneva trade talks	Apr 18 17
Stone—Chemical Week 300—report, Homer G. Starr (tables) Feb 28-40, Apr 25-34, May 30-46, Aug 29-39	Nov 21 36	Cadmium use ban suggested	Jan 10 40	"Free trade"—Yes; "Free trade"—no!—Viewpoint	Apr 25 5
Storage		Cancer causes study	May 30 28	Sneath favors GATT ratification	May 16 23
Carbon dioxide kills bugs in grain storage bins	June 13 23	Capital spending (table)	Mar 21 30	Congress working on trade-agreement bill	May 30 18
LNG: DOT proposes new rules	Feb 14 14	Cooperation pact is signed by Kema-Nobel and Norsk Hydro	June 20 45	Trade-pact poll: the "eyes" have it (table)	June 13 16
Netherlands: LPG landing facilities approved for Rotterdam	Nov 7 48	Chemicals and metals companies would be seriously hurt or forced to close if the nation's nuclear power plants are phased out	Oct 24 31	Corrections	June 20 21
Stantrans acquires butadiene storage facility from Anchorbank, Inc.	Mar 28 25	Foreign forecast: On balance, 1979 could be a pretty good year—report (charts & table)	Jan 24 23	Taxation	
Underground storage tanks: Steel, plastics bid for storage tank sales	Sept 19 52	South African investments are banned by Sweden	June 20 46	Canada: Potash firms may take Saskatchewan tax deal	Oct 17 26
Styrene		Svenska Handelsbanken's Jan Wallander: Budgets and forecasts: necessary evils—Other views	Oct 3 5	Depreciation: chemical industry will be allowed faster write-offs	July 4 13
Borg-Warner Chemicals methyl methacrylate butadiene resins plant onstream at Grangemouth, Scotland	June 13 40	Sweeteners		Firestone is assessed \$10,000 in tax case	Aug 8 18
Monomers see Monomers		Cyclamates: Abbott files suit aimed at bypassing FDA and resuming sale of cyclamates	Sept 19 27	French tax authorities look at Abbott Labs	Nov 14 41
NCI tests do not produce cancer in laboratory animals	Sept 26 14	Cyclamates: FDA chief calls for more studies of cyclamates	July 4 14	Goodrich (BF) pleads no contest on tax charges	Jan 24 17
Prices N Feb 7-29, N Feb 14-30	Apr 18 23	Saccharin ban extension called for in new bill	Jan 31 23	Indians: Amoco sues over who levies energy taxes—New Mexico or Indians; Indians: oil firms sue in Utah over Navajo tax plans	Mar 28 21
Styrene-Butadiene—Prices	Feb 14 30	NIAS saccharin study proposes reform of Delaney amendment	Mar 7 19	Mexico adds tax breaks to investment incentives	Mar 21 28
Sulfonates—Oil-field specialties boom	Feb 28 49	Congress ponders the fate of saccharin. Moratorium on banning likely to be extended	Apr 18 17	Plant sites 1980—report, John M. Winton	
Sulfonation—Chemition Impact Jet reactor makes a pitch for sulfonation applications		Saccharin ban delay is allowed to expire	May 9 14	State-by-state comparison of corporate income, vehicle fuel, severance and sales taxes, and a ranking by various taxes (table)	Dec 5 76
Sulfur		House committee votes to let saccharin stay on market two more years N July 4-14	May 30 14	Taxes: up for oil, down for others (chart)	Aug 8 16
Canadian sulfur shipments face lengthy delay	Mar 21 32	Swimming-pool Blankets—Air-bubble technology in insulation applications	Aug 1 10	Value-added taxation (VAT): CPI may be reaping VAT benefits by 1981 (table)	Apr 11 19
Chemical Week 300—report, Homer G. Starr (tables) Feb 28-37, Apr 25-29, May 30-48, Aug 29-36	Nov 21 38	Swimming-pool Chemicals—Olin gearing up for big HTH expansion	June 20 41	Value-added tax: Ullman unveils value-added tax proposal	Oct 31 20
Contract sulfur price climbs in Western Europe	Dec 12 56	Swiss Institute of Experimental Cancer Research—Cholesterol's role in cancer study	July 11 13	Windfall tax: Lines drawn	Apr 18 17
			Jan 10 34	Carter outlines proposed plan	May 2 21
				House may toughen proposal	May 9 17
				Approval seen for oil windfall-profit tax	June 27 24

Modified windfall-tax bill passed by House	July 4	19	CPSC staff likely to oppose consumer-goods ingredient testing	Feb 28	14	Researchers seek new technique for separating water mixtures (flowcharts) Trade bill see Tariffs	June 6	42
Senate weighs windfall-profits tax proposals	Oct 31	17	Fire tests help FAA rate aircraft interior	Jan 24	44	Thailand		
Compromise seen on oil-profits tax	Dec 12	21	Flammability testing: Ontario Research Foundation's DiNuccio describes new system at Canadian specialties meeting	Oct 31	34	Asian countries plan a common market for drugs	Sept 19	39
Technical University Aachen-Stetor proposes novel synthesis for jasmine fragrances	Oct 3	46	GE test of superconducting generator component is called successful	Nov 14	51	DMT shortage blamed on Iranian crisis N	Feb 14	43
Tel Aviv University—Magnetic method to separate uranium isotopes developed. N	Feb 21	37	Home water-filtration devices ineffective in removing trihalomethanes tests done for EPA indicate	June 27	18	Soda ash plant	Apr 18	28
Tennessee Valley Authority			IIT computer system ranks chemicals by potential health hazard	Mar 7	35	Thermal Energy		
Clement, Robert appointed to board of directors	Feb 14	18	NCI's bioassay testing see Cancer			Hawian demonstration plant converts ocean's heat energy into electricity	Sept 12	48
Diamond Shamrock's acquisition of Falcon Coal protested	Jan 3	13	Roche Australia, Roche Analytical Services, analytical laboratory	Nov 21	22	Novel technique to recover energy from water	Dec 5	67
"Fallen curtain" process cuts fertilizer costs	Sept 26	23	Safety-glazing market may open, if CPSC weathering tests for plastics are eliminated	Nov 21	19	Thermography—Infrared scanning detects hot spots in chemical plants	Mar 28	35
Fluidized-bed combustion plant: design contracts	Sept 5	23	Toxic chemicals			Thermoplastics		
Freeman, S. David, Chairman: He aims to clean up "garbage can" of wastes	Aug 15	48	Battelle gets EPA contract to evaluate methods for testing toxics	Jan 10	33	Markets: record volume tightens major plastics markets (charts & table)	Feb 28	15
Insulation from plant slant delayed	Apr 18	21	CSMA files response with CPSC questioning authority to require manufacturers to perform carcinogenicity testing	Jan 17	22	Polyolefins share tops 50% (chart)	June 13	37
Nuclear power plants alternatives weighed	May 9	19	Interagency Regulatory Liaison Group Report sets new cancer-risk rules for agencies	Jan 31	23	Shell states a fourth thermoplastic rubber unit at Marietta, O.	Nov 14	17
Phosphate slag studied as radiation source	Jan 31	18	USDA's Food Safety and Quality Service joins group	Feb 7	14	Use sets strong first-quarter pace	N	May 30
Phosphoric acid demand	Aug 8	18	USDA's Food Safety and Quality Service joins group	Feb 14	12	Thioester Antioxidant—Prices	N	Aug 8
Power rate hikes			Can regulators agree on a cancer policy?	Feb 28	46	Thioglycolic Acid—Elf Aquitaine boosts production	R	Sept 26
TVA raises rate 6.5%; valley clients protest	Feb 28	23	Simplified toxicity-test guidelines sought	Sept 5	14	Thionyl Chloride		
Rolls back rate increase slated for Apr. 1	Mar 28	26	Monsanto gets EPA grant for evaluation of test procedures for organic toxic substances in waters	Oct 24	24	Hooker plant at Taft, La.	R	Ms/y 9
Researcher Noggle reports air-pollution rules may be taking sulfur out of green plants	Feb 21	23	Natural Resources Defense Council pushes EPA for action on testing rules	Aug 22	14	Mobay to construct thionyl chloride plant in Baytown, Tex.	N	Apr 25
Study of interlocking ownership of national oil, coal and uranium interests	Mar 28	25	NIEHS studies effect on fetus of four chemicals	Jan 31	21	Tin		
TVA/EPA cleanup pact supported by White House	Mar 21	25	New toxicology lab open	Feb 28	48	Prices: product prices	N	Jan 17
EPA settlement may get tied up in court	May 2	18	Short-term tests for cancer not yet perfected	June 13	31	Shell patent says tin counteracts heavy metals in refinery cat cracking	N	Jan 10
TVA admits to error on steam plant scrubbers	Aug 8	21	Toxic Substances Strategy Committee report advances few surprising regulatory initiatives	Aug 22	20	Tin-nitride process to recycle nuclear fuel: Battelle study due	N	Nov 21
Tests new igniter for coal-fired units	June 20	23	Toxicology Forum needed—better studies of links to cancer	Feb 14	39	Tires		
Use of coal-derived gas to fuel a phosphoric acid fuel-cell pilot plant to be tested	Dec 19	70	U.K. looks for toxic chemicals in North Sea	Feb 14	44	Allied expands plant for tire and industrial yarn in Monrovia, N.C.	Mar 21	17
Westinghouse settles uranium claim	May 23	13	Toxic levels on sprayed farmlands measured with new device	Nov 14	51	Chemical Week 300-report, Homer G. Starr (tables) Feb 28-41, Apr 25-43, May 30-51, Aug 29-40	Nov 21	42
World fertilizer study, IFDC, TVA sees tightening markets (chart)	May 16	31	TSCA see Law-Toxic Substances Control Act			Firestone Tire & Rubber Co.'s Swiss subsidiary ordered to pay \$1.6-million penalty for alleged violation of a union contract at the Pratsville tire plant	Dec 5	27
Tennis Racquets—Poromeric grips for tennis racquets	Aug 22	43	Tetrabromophthalic Anhydride—Velsicol building plant in El Dorado, Ark.	Jan 31	21	Ford's 1980 cars will offer metric radial tires	June 6	20
Teomin, Eliahu, managing director of Israel Chemicals Ltd.: He decided it was time he had a new challenge	June 20	66	TCDD (tetrachlorodibenzo-p-dioxin)			Goodyear to boost radial truck-tire capacity at Danville, Va., plant	Oct 24	13
Teratogens—Fetal safety controversy see Cancer			Agent Orange see Herbicides			Liquid nitrogen key to tire-recycling process	July 11	41
Terephthalic Acid—Amoco Chemicals' PTA-process problems hit plants in Decatur, Ala. and Cooper River, S.C.	Feb 21	26	California county votes to limit phenoxy herbicides use	June 13	18	Mohawk Rubber employees—Out of work since Akron tire unit closed—want to buy and run the plant	Jan 17	34
Terminals			Dow dioxin findings around Midland, Mich. plant criticized by EPA	Feb 21	25	Tire makers face flat sales in the 1980s (chart & tables)	May 30	16
California LNG terminal at Point Conception	July 18	25	Italy: Seveso study blames Icmesa for dioxin disaster	Feb 14	13	Uniroyal European tire plants sold to Continental Gummi Werke N	Apr 25-17	Aug 1
Approval seen R June 13-22	Nov 7	47	Faulty reporting of Seveso birth defects charged	Feb 28	24	Uniroyal introduces self-sealing steel-belted radial tire	Sept 26	22
Terminal may be ready by 1983	May 9	21	Special commissioner under investigation	Mar 7	24	Uniroyal Chemical sees record year in 1979: Calarco upbeat on chemicals	Oct 17	23
Engelhardt's Minerals & Chemicals Division bulk-storage and distribution terminal for petroleum-cracking catalysts in Houston	Dec 5	52	Seveso cleanup still not solved	July 18	23	Titanium		
Malaysian deepwater port for LNG loading: South China Sea gas is key to development (map)	July 25	19	Seveso contamination studied in three deaths	Sept 26	20	Cast dental prosthesis made from a titanium-based alloy tested	Mar 28	40
Maritime study seeks upgrading inland ports	Nov 7	48	Hooker dumpsites see Waste Disposal			R Dow-Howmet Turbines to scale up electrolytic route to titanium sponge N	May 16	43
Netherlands: LPG landing facilities approved for Rotterdam	Aug 15	24	Monsanto to test Nitro, W. Va., workers exposed to TCDD	Mar 28	23	RMI to boost titanium sponge production at Astabula	R	Feb 14
Royster asks bids to determine cost of doubling capacity of Tampa Bay, Fla. anhydrous ammonia terminal	Mar 21	23	Tests find no excess of deaths from cancer or cardiovascular disease	Nov 7	25	Titanium Dioxide		
R Standard Oil (Ohio) scuttles Long Beach, Calif. terminal	Mar 28	21	Orthochlorophenol spill from derailed train in Sturgeon, Mo.: Dioxin is found in cleanup workers' blood	May 23	22	American Cyanamid's gypsum waste from TiO ₂ processing will be bought by Lemco, Inc.	N	Aug 29
Sohio reconsiders oil project	May 2	23	Suits boost claims for dioxin-spill damage	July 25	21	Du Pont launches its defense in FTC's TiO ₂ -antitrust suit	Feb 14	14
California issues air-quality permit to Sohio	Aug 22	14	Tetraethyl lead, tetramethyl lead see Antiknock Compounds			Du Pont wins round in FTC antitrust case	Sept 26	18
Texas deepwater port: DOT okays new license	Dec 5	17	Tetramethyl Thiuram Disulfide—UCB S.A.—Virginia Chemicals joint-venture plant at Bucks, Ala.	Dec 19	24	Du Pont puts new TiO ₂ plant onstream at DeLisle, Miss.	Dec 12	21
Texas terminal off Freeport takes a tentative step forward	Nov 28	23	Texas A&M University			Import ruling appeal remote	Dec 12	21
Terrorism			Euphorbia research	Dec 12	53	Toiletries		
Conference Board study warns of growing terrorism, adds to debate over taggants	Oct 24	31	Fire ants fight cotton pests, researchers say	July 11	22	Chemical Week 300-report, Homer G. Starr (tables) Feb 28-41, Apr 25-33, May 30-49, Aug 29-36	Nov 21	36
Merck recalling three remaining German staff members from Tehran after the assassination of Hans Joachim Leib. N	July 11	41	Researcher Presley discovers basin in Gulf of Mexico that might become waste disposal site	Aug 29	18	Foot-care kit	May 2	51
Microtaggants help trace suspect in Baltimore bombing	Mar 7	22	Textiles			Kline, Charles H. market study	Apr 18	21
Mobil's regional office in Eastchester, N.Y., hit by terrorist bomb	Nov 7	25	China and U.S. to discuss trade	Jan 10	23	Swiss market for personal-care products	Jan 24	44
United Gas Pipe Line: disgruntled former employee holds four hostages	Apr 11	43	China offers joint-venture participation to Toray	July 4	47	Toluene		
Tertiary-butyl Alcohol—Octane pinch: Suppliers are readying new gasoline additives for use when lead is phased down (chart)	July 4	39	Courtaulds and UMM form 50-50 joint venture to make and market spun-woven fashion fabrics	June 13	42	Petrochemical production increases but some major product categories have been "on allocation" (chart)	Oct 31	15
Testing			Great Britain: textile makers face long-term woes	Nov 28	42	Prices N Jan 10-24, N Feb 14-28, N Mar 21-32, N May 16-30	Sept 19	35
Biorational pesticides: EPA speeding up program for approval	July 25	53	Packed-column scrubber known as an autocleaner tames vapors at J.P. Stevens' Wallace, N.C. plant	May 30	59	Production figures for July 1979	Oct 3	37
CIIT moves into new lab in Research Triangle Park, N.C.: Gobstein's goal is to make CIIT a center of excellence in toxicology			Permanent-press: ammonia mercerization helps new cotton shirts shake out the wrinkles	Feb 7	25	Snia process to make caprolactam that eliminates ammonium sulfate coproduction	N	June 6

Toxicology: Forum

International Update on Short-Term Tests: Short-term tests for cancer not yet perfected	June 13	31
Needed: better studies of links to cancer	Feb 14	39

Trade Secrets

Artes, Robert S. plays a return engagement	Sept 19	24
Mitsubishi fined in trade-secrets case involving the theft of polyester film process trade secrets from Celanese	May 9	19
Mobil drops talent-theft suit against Superior	June 27	24

Trademarks & Tradenames

Formica tradename gets support in Congress	May 9	14
Formica loses round in battle for trademark	June 13	14
Trademark policing: firms strive to keep well-known trademarks out of common usage	Aug 15	45

Training

Chinese will train in U.S. CPI plants	Sept 5	70
Kaiser backs summer job program for students	June 13	45
Sales training: SACI survey	Mar 28	31
Texas Instruments will open a network of process control schools	Aug 15	38
UC's Chemicals and Plastics group offers seminars for plant energy-systems supervisors	Feb 14	33
Transformers—Metallic-glass use in transformer will save research money	Dec 12	50

Transportation

How CPI plans to steer clear of winter snarls	Jan 17	24
What's being done to get railroads to go on snow	Jan 17	25
Inter-Industry Task Force on Rail Transportation of Hazardous Materials disbanding, with many goals reached	Feb 28	57
Plant sites 1980—report, John M. Winton	Dec 5	81
How transportation shipping costs compare (table)	Dec 5	81
Transportation chemicals: CSMA meeting	May 23	34
Transportation see also Aeronautics; Barges; Railroads; Shipping; Trucks		

Trees

Biomass to ethanol without fermentation: Experimental technology for turning corn husks, rice hulls and pine trees into ethanol	Nov 28	38
Brazilians push plans to manufacture methanol from eucalyptus trees	Mar 14	38
Calvin at ACS meeting reports of rare trees that can directly yield fuel oil and naphtha for chemical feedstocks	Sept 19	44
Neem plant: Indian tree extract repels a wide range of insect pests from crops	Aug 29	50
Rapid tree-growing make forests major source of CPI products	Jan 31	46
Tributyl Phosphate—Prices	Oct 24	28
Tricalcium Phosphate—Monsanto completes expansion at Crandeleit (St. Louis) plant	Oct 24	24

Trichloroethanes

New York seeks to curb solvents in groundwater	Apr 4	24
Prices N Feb 28-27	June 27	29

Trichloroethylene

Italian studies clear trichloroethylene	Feb 14	36
Prices N June 27-29	Oct 10	39

2,4,5-Trichlorophenoxyacetic Acid

Agent Orange: Class action suits filed on behalf of Vietnam veterans and others Jan 17-21, R Feb 14-16	Feb 28	18
GAO backs study of veterans exposed to Agent Orange	Apr 18	20
Congressional panel hears Vietnam vets on Agent Orange effects	July 4	18
Study of veterans delayed	Sept 26	20
GAO finds fault with Vietnam spraying	Dec 5	41
Agent Orange: Dow Chemical denies that company engaged in "corporate espionage" against a Vietnam veterans group to obtain a copy of a medical questionnaire related to alleged exposure to Agent Orange	Aug 29	23
Agent Orange shows up in fat-biopsy studies	Dec 19	21
California county votes to limit phenoxy herbicides	June 13	18
California restricts 2,4,5-T	Jan 3	34
Dow makes its case for 2,4,5-T at American Farm Bureau conference	June 13	22
Dow registers Garlon 3-A herbicide said to be partial replacement for 2,4,5-T	June 6	14
EPA orders emergency suspension of 2,4,5-T	Mar 7	21
Judge lets ban stand	Mar 14	19
EPA opens hearing on 2,4,5-T suspension	Apr 25	23
Dow ask EPA to halt hearings	May 2	14

Hooker dumps site sees Waste Disposal

National Institute of Environmental Health and Safety animal experiments on dioxin look for birth defects	Aug 15	14
Triethylene Glycol—Prices	Mar 7	32
Trimethylolpropane—Perstorp will construct plant in Toledo, O.	June 20	28
Trinidad—LNG to be imported from Trinidad by Tenneco	Mar 21	26

Trucks & Trucking

Chemical truckers seek new rate boost	Oct 31	39
Contract trucking and piggybacking: new trends in trucking shaping up	May 30	60
Deregulation bill may be in for long haul in Congress	Jan 31	20
Administration proposes truck-deregulation bill	June 27	25
Diesel fuel: Emergency allocations pinch some shippers	June 20	18
Diesel-fuel shortage hits chemical carriers	July 4	28
Availability eases but wary shippers eye costs	July 18	52
Drumming: tighter regulations proposed	Jan 31	24
Strike in Britain buffers chemical makers	Jan 24	15
Truck strike hurting CPI sales	Jan 31	31
Truck strike ends, but problems linger	Feb 21	48
Teamsters strike may pinch	Apr 11	23
Turkey—Economic problems curb CPI output, petrochemical buildups	Mar 28	39

Turpentine

Naval stores market: International Naval Stores Conference	May 9	24
Naval stores markets take healthy upturn	May 30	24
Production up	Dec 5	49

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Ultraviolet

Atlantic Research's LARC process removes halogens from wastewater	May 2	53
Columbia University chemist Turro describes simple way to separate isotopes by weight at ACS meeting	Sept 19	44

Underwater Mining

Computer model predicts effect of various factors on deep-sea mining	Jan 10	34
Kennecott's Wright discusses seabed mining at AAAS meeting	Jan 17	29
Offshore oil see Petroleum		
Other Views: A SWEET story about some valuable ASSETS, Ernst M. Cohn	Jan 10	5

United Nations

Fertilizers will be sold to developing countries below market prices	Feb 21	48
First International Conference on the Future of Heavy Crude and Tar Sands	June 13	24
Research into alternative methods of pest control called for	May 30	27

U.S. Army

DDT residues at Redstone Arsenal in Huntsville, Ala.: Army refuses DDT cleanup, blames Oil for leakage	Feb 14	12
EPA may sue Army for refusal to clean up DDT residues	Feb 21	25
DDT pollution found in Triana, Ala. residents' blood	Mar 28	23
Dugway Proving Ground acts to destroy nerve gas	Oct 31	20
Pentagon seeking approval of an Army plan to build a new nerve-gas plant at Pine Bluff, Ark.	Nov 21	21
U.S. Bureau of Mines—Low-energy process regenerates and recycles chrome etching solutions	May 16	43

U.S. Coast Guard

Checking oil spill dispersants	Aug 29	24
Mocap (ethoprop) pesticide: Coast Guard and EPA debate best way to dispose of sea water contaminated by mocap from Italian ship Maria Costa	Mar 14	20
Coast Guard and EPA bury pesticide at sea	Mar 21	26
Probe clears sodium bisulfite in asphyxiation death of two crewmen aboard shrimp fishing vessel	Aug 22	37
'Superfund' for oil and hazardous waste cleanup see Water Pollution		

U.S. Dept. of Agriculture

Bacterial fermentation for ethanol	Aug 8	42
Cotton, Inc. is under scrutiny of USDA; J. Dukes Wothers is object of direct request for dismissal	Aug 22	30
Cotton, Inc.'s accounting procedures and spending practices questioned	Sept 5	14
Food Safety and Quality Service joins IRLG	Feb 7	14
Indian tree extract repels a wide range of insect pests from crops	Aug 29	50
Jobba plant may become a source of cosmetics, pharmaceuticals, lubricants and surfactants	Feb 7	31
NIH panel gives nod to DNA work on vaccine	Dec 19	22
Researchers petrify cotton	Jan 17	27

U.S. Dept. of Commerce

Carter plan would consolidate trade activities into Dept. of Commerce	July 25	19
Cast dental prosthesis made from a titanium-based alloy tested	Mar 28	40
'1979 U.S. Industrial Outlook'	Feb 7	17
Product-liability law proposed	Feb 7	20

U.S. Dept. of Energy

DOE finds that it is 'too cozy' with APL	May 16	24
DOE's new head Charles Duncan begins to reorganize the agency	Sept 5	14
Duncan's DOE: Hard sell 'in conservation'	Sept 19	25
Myers, Dale resigns under White House pressure	May 16	13

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Califano leaves HEW post without filling top FDA position	July 25	14
Compiling a 'worker registry' of anyone exposed to dioxin	Aug 15	14
Model state law to boost use of generic drugs proposed	Jan 17	14

U.S. Dept. of Interior

Baltimore Canyon: lower bids for leases	Mar 7	24
Computer model predicts effect of various factors on deep-sea mining	Jan 10	34
Court rules oil shale could be defined as a 'valuable mineral'	Feb 7	22
Government's coal leasing program facing new problems as the Interior Dept. attempts to restructure it and put it into effect again in 1981	Oct 24	23
U.S. Dept. of Labor—Labor Dept. taken to court over disclosure of workplace hazards	Oct 3	14
U.S. Dept. of Transportation—Plan to identify hazardous cargo by numbers: experts will debate the merits	Aug 15	34

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Reorganizes Land and Natural Resources Div.; staffs up for waste investigations	Oct 10	20
Roisman, Anthony joins Hazardous Waste Section	Oct 31	14
U.S. Maritime Administration—Study seeks upgrading inland ports	July 25	19

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Antifoulants for new ship coatings sought	Nov 21	22
Naval Weapons Center process converts trash to gasoline	Mar 21	36
Process employs laser to coat surface	Jan 10	34
University College Hospital Medical School—Cholesterol's role in cancer study	Jan 10	34
University of Arizona—Jobba plant research	Feb 7	31
University of California		
Ames test: Short-term tests for cancer not yet perfected	June 13	31
California controversy imperils research at two federally-funded labs	Dec 19	73
Howard Hughes Medical Institute: Research teams use recombinant DNA to make growth hormone	July 18	25
Jobba plant research	Feb 7	31
Lawrence Berkeley Laboratory: Cobalt-polymer catalyst provides low-cost route to steroids, hydrocarbons	June 13	23
Lawrence Berkeley Laboratory: Wood-to-oil process tests are favorable	Aug 15	23
New type of particulate collection suggested for mutagenic fly-ash	June 13	23
Saxes hair-scanning device tracks trace elements	Sept 12	53
Study calls cancer risk from drinking water 'grossly underestimated'	Feb 28	48
Toxic levels on sprayed farmlands measured with new device	Nov 14	51

University of Delaware

Katz at Midland meeting looks at the state of catalysis	Oct 31	29
—Correction	Nov 7	24
Polyester film package may cut home air-conditioning costs	Aug 1	27
University of Heidelberg—Wittig, George wins Nobel Prize in chemistry	Oct 24	19

University of Maryland

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Kessler at Toxicology Forum	Feb 14	39
University of Nebraska—Nitrogen fertilizer produced by solar power	Aug 8	31
University of New South Wales' Ceramic Engineering Dept.—Australians show silicon nitride works as bone and joint implant	Sept 26	69

University of Pennsylvania

Drug, 2-deoxy-D-glucose cream, offers hope for cure of persistent venereal disease	July 4	39
N Study links estrogen use with uterine cancer	Jan 10	18
University of Pittsburgh—Coal conversion technology: Pittsburgh conference zeros in on coal-gasification processes (tables & diagram)	Aug 8	32

University of South Wales (Australia)—Bacteria speed up fermentation to make ethanol for motor fuel N July 25-40 Aug 8 42

University of Southern Mississippi—Non-fermentation route to ethanol from biomass is proposed N Oct 31-40 Nov 28 38

University of Texas—Polymer concrete overlays for roadbeds and bridge decks Aug 29 53

Uranium

Australia to continue sales N Apr 11 54

Backfilling mines with uranium tailings seen as disposal solution Feb 28 21

Cartels

Northeast Utilities settles suit against Westinghouse R Oct 3 25

Westinghouse presses its case (chart & table) July 25 25

Westinghouse settles for \$381 million with Vepco Apr 25 24

Westinghouse settles uranium claim with TVA May 23 13

Cottor Corp. to recover uranium tailings at Canon City, Colo. processing mill N DOE seeks \$9-billion budget for 1981 Dec 5 26

Eldorado Nuclear's uranium refinery in Ontario: contract to Lummus Canada Aug 22 30

Enrichment: Boeing Engineering and Construction, Garrett and Goodyear Aerospace will supply centrifuges for DOE Aug 22 36

N Enrichment technique called the Haga process: inventor Gazda claims new process cuts cost of nuclear fuel by 80% (diagram) Sept 5 73

EPA working on uranium drinking water standard July 25 22

Freeport Minerals ships first uranium from Louisiana phosphoric acid recovery operation R Jan 31 21

IMC joint venture has means to recover uranium from phosphoric acid Oct 10 42

N Israeli scientists develop magnetic method to separate uranium isotopes Feb 21 37

N Pioneer Uranium seeks okay for new radioactive uranium disposal method N Tennessee reenters uranium mining business with the purchase of Rio Alito Co.'s properties Dec 12 17

N TVA sees threat from oil companies buying into coal, uranium Mar 28 25

Tin-nitride process to recycle nuclear fuel: Battelle study due N Nov 21 46

N Uranium wastes being tested as fertilizer for cattle feed Oct 24 43

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Uranium Oxide—Freeport uranium oxide recovery operation planned near Donaldsonville, La. N Oct 17 17

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American Cyanamid expanding urea melamine plant at Wallingford, Conn. R Fertilizer demand forecast: shipments, prices etc. (chart) Apr 25 19

Fertilizer market: F.I.'s annual marketing conference June 20 34

India to build up ammonia-urea capacity May 30 28

N Indonesia finds financing for urea plant at Atjeh July 11 36

N Indonesian plant to be backed by Japanese Apr 18 26

N Japanese cutbacks continue June 20 46

N Malaysian plant Apr 18 26

Monsanto to boost urea-melamine capacity at Springfield, Mass. Mar 21 26

R Saudi Arabia: Pullman Kellogg picked to design fertilizer plant N Sept 5 69

Urea-Formaldehyde

Massachusetts bans UF foam insulation Nov 14 24

Formaldehyde Institute sues Massachusetts over formaldehyde ban Nov 21 18

Rapco Foam-Scientific Applications UF foam process case to go to trial Nov 14 25

Urea-formaldehyde foam insulation: makers launch safety studies, A. DOE ponders new limits; tough GPC standard due soon Nov 28 36

Urethane

Auto production cuts will have mixed impact on many chemical suppliers Aug 22 18

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Alaska General Stock Ownership Corp.-Alaskans could get a share of oil pipeline under proposed stock plan	Mar 7	46
Alaska Petrochemical Co.-Alaskans could get a share of oil pipeline under proposed stock plan	Mar 7	46
Contract to C-E Lummus for refinery and petrochemical complex at Valdez, Alaska	Aug 8	22
Alberts Gas Chemicals-Gas-based plants in Alberta (table)	Dec 19	27
Methanol plant at Medicine Hat, Alta: capacity to be doubled despite adverse U.S. ruling	Aug 8	25

Alberta Gas Ethylene-Gas-based plants in Alberta (table)	Dec 19 27	Allied Chemical Foundation—Corporate aid to education	May 2 62	Lemco, Inc. will buy gypsum (calcium sulfate) waste generated at titanium dioxide plant in Savannah	Aug 29 43
Red Deer, Alta plant expansion	Sept 19 39	Allied Products—Line markets (chart)	Apr 11 31	Management changes: George J. Sella, Jr. elected president; Treasurer Martino becomes v.p.; Liffers elected member of finance committee; Forbath retires	Sept 26 64
Alberta Gas Trunkline Co.; joint venture plant with Diamond Shamrock will be onstream late this year	Oct 10 13	Allis-Chalmers—Illinois coal-gasification demonstration plant near Wood River using "Kilnges" technology gets go-ahead	Jan 24 17	Martino comments on the recession	Sept 12 16
Alberto-Culver—Sales and earnings R May 2-51	Nov 7 41	Allstate Insurance Co.—Insurance firms take a cautious approach to glass-repair technology	Apr 4 45	OCAW lockout at Fortier, La. plant ruled illegal	Feb 21 26
Albright & Wilson—Livingstone "We've had a very, very bad year"	Oct 24 36	Alpine Laboratories—Acquired by U.S. royals	Apr 25 17	Pesticide to combat fire ants: EPA authorizes tests	Nov 14 42
Alcan Aluminum—Aluminum powder capacity boost	Nov 14 17	Alton Box Board—Dura-Drum, hexagonal corrugated-board drums	Jan 10 29	Sales and earnings: Cyanamid counting on record 1978 earnings	Jan 3 20
Australian aluminum plant proposed	Aug 15 29	Altona Petrochemicals Co.—Australian ethylene expansion	Feb 28 52	Self-insurance	Oct 3 40
Forca majeure on supply of fabricated products declared	June 27 27	Altos Hornos de Vizcaya—Spanish CPI faces production cutbacks to help reduce pollution	Oct 10 41	Surface active agent prices	Feb 21 30
Alcan Australia Ltd.—Aluminum expansion	May 9 42	Alumax—Aluminum (charts & table)	Jan 31 29	Trademark policing: Firms strive to keep well-known trademarks out of common usage	Aug 15 45
Alcan of Canada—China seeks Western aluminum technology	Oct 31 30	Aluminum plant on Koorangang Island near Newcastle	May 9 42	Urea melamine plant at Wallingford, Conn. expansion	Jan 3 21
Alcolac Corp.—Blinoff, Marie Louise, chairman and chief executive officer: She's continuing in her late husband's tradition	Apr 25 64	Australian buildup	Feb 28 53	Wallcoverings market	Mar 14 44
Hydroxyethyl methacrylate soft-lens material	Oct 3 38	Aluminio Espanol—Spanish CPI faces production cutbacks to help reduce pollution	Oct 10 40	American Disposables Corp.—Adult diapers	July 18 40
Alcon Optic—Markets for lens chemicals	Oct 3 39	Aluminum Co. of America—Aluminum: relief from shortage is in sight	Feb 28 28	American Enka—Nylon prices	May 16 30
Algonquin Gas Transmission Co.—Joint pipeline to import natural gas from Canada planned	Aug 29 17	Aluminum markets (charts & table)	Jan 31 29	Phasing out dyed polyester yarn	Feb 28 13
Allan Potash—Potash capacity (table)	Aug 22 33	Aluminum prices	Mar 28 28	Rayon: New products, better cost comparisons are giving rayon a new image (charts)	June 6 27
Allegheny Ludlum Industries—Chemtron's South American gas interests purchase; negotiations off	June 27 27	N China seeks Western aluminum technology	Oct 31 30	Whitakers, N.C., polyester yarn plant closing	Mar 7 24
Allesima Chemical Co.—Contract to American Lurgi to boost capacity of its Plaquemine, La., methanol facility	Oct 3 25	Chinese contracts	Feb 7 19	American General Insurance Co.—NLT Corp. spins bid by Ashland Oil	Aug 8 18
Allergan Pharmaceuticals, Inc.—Market for lens chemicals	Oct 3 39	Chlor-alkali project near Houston: 50-50 joint venture with Formosa Plastics	July 11 13	American Hoechst Corp.—Ad campaign to make itself better known in the U.S.	May 30 65
SmithKline set for big entry to eye-care field with acquisition of Allegheny Pharmaceuticals	Dec 19 22	Chlorine-caustic outlook (charts & table)	Mar 14 20	Bayport Text plant	Aug 29 27
Allied Chemical—Acetone prices	Apr 18 23	Furnaces have dust firing capability	July 10 31	Capital spending aimed at styrene HDPE plants	May 9 13
Adipic acid prices	May 2 49	Alcoa of Australia Ltd.—Alumina refining and aluminum production capacity expansion	May 9 42	Celanese's polyester film business to be purchased for \$75 million	Apr 18 13
Allied charts a new course: Edward Hennessy sets quick pace in search of higher profits	Nov 7 42	Aluminum smelter in Victoria planned N Australian buildup	Apr 18 26	Purchase completed	Aug 29 17
Allied Resources—Name for Allied Chemical?	Dec 19 17	Foresees aluminum shortages in 1980	June 30 16	DOE decision on boilers for Texas HDPE plant awaited	Dec 12 18
Annual meeting: some touchy issues	May 2 19	Alusuisse Group—Sales and earnings '78 N Venezuela alumina plant scheduled for 1982	Apr 18 26	HDPE expansion	Sept 5 17
Armco coke-oven lawsuit settled	Sept 26 19	Alwest Consortium—Australian buildup	Oct 24 31	Mount Holly, N.C., resin plant capacity to be doubled	Nov 7 25
Asphalt Oil acquires South Point, O., chemical plant	June 6 22	Alvysa Pipeline Service Co.—Alaskans could get a share of oil pipeline under proposed stock plan	Feb 28 53	American Jojoba Industries—Jojoba plant research	Feb 7 31
Automotive Products Div. buyer sought: N Calcium chloride prices	Jan 24 9	Drag-reducing additive may get more oil out of Alaska pipeline	Mar 7 46	American Lurgi—Allemania Chemical awards contract to boost capacity of Plaquemine, La., methanol facility	Oct 3 25
N California air rules: San Francisco Bay area companies take their case to court	Sept 5 65	Alza Corp.—Controlled-release contraceptive system involves polymer capsules implanted under the skin	June 27 26	Surface retort is set for oil-shale test	Oct 3 25
Chinese engineers and technicians will be trained at Moncure, N.C. plant under agreement with Zimmer	July 4 19	Amatrol Inc.—Agreement with Hercules to form new company for the production of magnetic iron oxides in Japan	Oct 17 51	American Motors Corp.—CPI will fuel Detroit's efficiency drive (table)	Sept 19 20
Chinese will train in U.S. plants	Feb 7 28	Amex Forest Products, Inc.—To be bought by partnership formed by E.F. Hutton Group, Inc. and Tree Farmers of America, Inc.	July 4 22	American Natural Resources—Acquires Bates Mfg. from Virginia Iron Coal and Coke	June 6 22
Chlorine-caustic outlook (charts & table)	Mar 14 30	Amex Inc.—Crowl discusses synfuels	June 20 17	Exxon USA's Alaskan natural gas resources acquired	June 6 22
Coast Guard probe clears sodium bisulfite in asphyxiation death of two crewmen aboard shrimp fishing vessel	Aug 22 37	Forest products division to be sold	July 18 21	First commercial coal-gasification project in the U.S. approved by FERC in Beulah, N.D.	Nov 21 46
Congressional waste-disposal survey: companies gather data	May 9 32	Molybdenum markets (table)	June 20 17	American Oil Supply Co.—Pyrethrum importer	Jan 17 42
Connor, John T., appointed chairman of the board of Schroders Inc.	Nov 14 22	Mount Emmons, Colo., moly project faces uphill fight: Amex hopes to show mining and skiing can coexist	Mar 7 30	American Optical-Contact lens business	Oct 3 38
COWPS' Kahn's criticism angers CPI executive	Apr 4 31	Potash capacity (table)	Aug 15 33	American Thermoplastic Corp.—Headquarters to move to Houston; compounding division of Phillips Products to be consolidated into operations	July 4 22
Dyestuffs industry: overcapacity impels company to sell out (charts & table)	July 4 16	Amchem Products, Inc.—Henkel negotiating purchase	Aug 22 33	Shelby, Anthony O. ("Tony"), president: He learned the resin business "language"	Dec 5 88
—Letter	Aug 1 6	Amerasia Hest—Removes the list of those not complying with the federal wage-price guidelines	Nov 7 25	AmeriGas, Inc.—Acquires Dye Carbonic, Inc. and certain assets of Gil B. Dye Exploration Co.	July 11 22
Eltra Corp. to be acquired	July 4 13	American Biltrite's Footwear Products Div.—Cement for shoe repair	July 25 19	Edmunds, Edward Jr. president of AmeriGas and vice-president of UGI: He likes to build things, not just operate them	Nov 14 88
N Shares to be purchased	Aug 15 24	American Can Co.—Aerosol sales: out from under ozone cloud	May 16 41	Ametek, Inc.—Files for patents on thin-film semiconductor materials that can be used to make low-cost photovoltaic solar cells	Nov 7 47
Ethylene: markets, capacity etc. (chart & table)	Oct 3 32	Cognition project in Green Bay, Wis. hits snags	Nov 21 22	Amoco Canada Petroleum Co. Ltd.—Research in enhanced recovery	June 13 24
Fetal safety controversy Jan 10-18, Jan 31-21, May 18-25	Oct 17 23	Fingerhut Corp. acquisition completed. N Lignin specialties get a \$5-million boost	June 20 42	Texasulf sulfur recovery unit at Whitecourt, Alberta to be bought	July 17 22
Fiber markets (charts & table)	Jan 17 38	Lignin sulfonates, wood chemicals, inject new life into tired oil wells	June 20 65	Amoco Chemicals—Brennan at Southwest Chemical Assn. meet gives rose forecast for petrochemicals	Feb 14 17
Fluorspar mining and milling operations to be sold to Equities Holding Corp. R Hennessy, Edward L. Jr. elected a director of The Travelers Corp.	Aug 1 18	Lignosulfonate systems for tertiary oil recovery	May 30 55	Ethylene: markets, capacity etc. (chart & table)	Oct 3 32
—Letter	Apr 4 25	American Cyanamid—Affleck denies knowledge of take-over bid	May 11 29	HDPE markets: producers, capacity etc. (table)	Sept 19 33
Allied spends a year finding a president	Apr 11 39	Aniline and diphenyl amine prices	Apr 11 29	Kickback charges indict company and executive	Apr 25 24
HDPE expansion N Aug 1-9	Sept 5 17	Aromatic intermediates and dye prices N Bound Brook, N.J. plant workers return to work after 52-day strike	Jan 31 19	Allied pleads on two income tax charges	Aug 8 20
HDPE markets: producers, capacity etc. (table)	Sept 19 33	Bound Brook, N.J. plant cancer study due	Sept 19 26	Liquid aluminum sulfate prices	Dec 19 69
Kickback charges indict company and executive	Apr 25 24	Catalysts for Union Oil process	Oct 31 23	Megtag: metallic-gas use in transformer will save research money	Dec 12 50
Allied pleads on two income tax charges	Aug 8 20	Catalysts report. Donald P. Burke II: Who's who in catalysts	Apr 4 63	Nylon prices	May 16 30
Liquid aluminum sulfate prices	Dec 19 69	Diplicio: found that he "just enjoyed work too much" to retire	Mar 28 32	N Phthalic anhydride prices	May 2 49
Megtag: metallic-gas use in transformer will save research money	Dec 12 50	Diversification payoff: Affleck at Cleveland Society of Security Analysts	May 9 18	Polyester tire and yarn expansion in Moncure, N.C.	Mar 21 17
Nylon prices	May 16 30	Fetal safety controversy	Jan 10 18	Product responsibility programs	July 4 53
N Phthalic anhydride prices	May 2 49	NIEHS studies effects of four chemicals on the fetus	Jan 31 21	Reorganization: Allied lays off 700 as step in reorganization	Sept 26 64
Polyester tire and yarn expansion in Moncure, N.C.	Mar 21 17	OSHA seeks \$24,000 in fines from Cyanamid	May 16 25	Reorganization: Allied names heads of its reorganized units	Oct 3 21
Product responsibility programs	July 4 53	Cyanamid is charged in sterility case	Oct 17 23	Semiconductors: chemical market (table)	Nov 21 15
Reorganization: Allied lays off 700 as step in reorganization	Sept 26 64	Formica trademark gets support in Congress	May 9 14	Soda ash prices	Mar 7 32
Reorganization: Allied names heads of its reorganized units	Oct 3 21	Formica loses round	June 13 14	Sodium sulfate facility in North Claymont, Del.	Oct 24 24
Semiconductors: chemical market (table)	Nov 21 15	FTC's action on Formica helps spur increased trademark policing	Aug 15 45	Sulfuric acid prices N Aug 1-9	Jan 24 37
Soda ash prices	Mar 7 32	Forms an environmental services division	May 30 22	Thermoplastics business to be sold to an affiliate of William Sword & Co., Inc.	May 2 13
Sodium sulfate facility in North Claymont, Del.	Oct 24 24	Gas woes fuel car pool drive	July 18 36	TDI market outlook (charts)	Jan 24 35
Sulfuric acid prices N Aug 1-9	Jan 24 37	Hydrosulfurization catalysts in Gosport, England get capacity boost	Sept 26 32	Trowbridge at CMA meeting	June 13 19

Navajos' taxing scheme challenged . . .	Mar 7 17
Tertiary recovery program in the Permian basin: production could start by mid-1984 . . .	July 25 24
Amoco (U.K.) Ltd.—Refinery at Milford Haven, Wales expansion . . .	Nov 7 17
Ampact Corp.—England, Howard W.: Oil and chemicals. Era of peaceful coexistence?—report, Meyer Lurie (tables) . . .	Oct 17 70
Plastic colorants prices . . .	Feb 21 30
Weil talks olefin prices, new products . . .	June 20 42
Amplex Corp.—Rearranging magnetic tape at CMRA meeting . . .	Feb 21 40
Amvac Chemical—DBCP: firm cited for failure to report use . . .	Feb 7 18
DBCP emissions must be cut rules California's DOSH . . .	May 16 26
EPA bans most remaining uses of pesticide DBCP . . .	Nov 7 14
Anaconda—Aluminum markets (charts & table) . . .	Jan 31 29
Atlantic Richfield, FTC move to settle review of Anaconda merger . . .	Mar 14 13
Copper prices . . .	Jan 17 36
Uranium cartel suit . . .	July 25 26
Anamax Mining—Atlantic Richfield, FTC move to settle review of Anaconda merger . . .	Mar 14 13
Anchor Hocking—Strike at St. Paul, Minn. plant . . .	Mar 21 26
Anchortank Inc.—Stanttrans acquires butadiene storage facility . . .	Mar 28 25
Anderson, Arthur C.—Automobile study: Delphi survey Aug 15-19 . . .	Sept 19 21
Anglo-American Corp.—Uranium cartel suit . . .	July 25 26
Anic—Creditors seek repayment plan as CPI losses exceed \$1 billion (table) . . .	Jan 31 32
Technology for MTBE plants . . .	Oct 17 69
Anken Industries—Rhône-Poulenc makes acquisition bid . . .	May 9 18
Ansil Chemical Co.—EPA updates its list of hazardous-waste sites . . .	July 18 23
Anzon America—Antimony oxide prices . . .	July 25 33
Apache Powder Co.—Explosives industry forecast . . .	Aug 22 17
Apex Corp.—Virginia gets tough on benzene and asbestos . . .	June 6 22
Apollo Technologies—Boiler-fuel additives. Applied Graphics—Computer graphics business . . .	Feb 14 37
Approved Industrial Removal—Michigan sues over waste disposal at Hooker's Montague, Mich. plant . . .	Mar 7 20
Countersuit in Michigan . . .	Apr 18 18
Aquagil—Nalco France to purchase company . . .	Apr 4 26
Arab Detergents Co.—Synthetic-detergent plant . . .	Nov 14 76
Arab Petroleum Investments Corp.—Synthetic-detergent plant . . .	Nov 14 76
Arab Potash Co.—Committed for potash sales . . .	Sept 26 53
Potash complex building to begin . . .	Jan 10 40
Potash market . . .	Aug 22 34
Arabian Sea—Corp. Rectorio bank-ruin talks with Puerto Rican government . . .	Jan 10 21
Corco may okay bid for Arabian Sea oil . . .	Jan 24 14
Arabian Sea oil agrees to \$70 million deal . . .	Mar 7 13
Corco's common stock trading . . .	June 20 28
Corco emerging from Chapter XI on its own? . . .	July 4 13
Corco to pay Puerto Rico \$75 million . . .	Oct 17 26
Corco settles claims, has takeover offers . . .	Dec 5 22
Archer Daniels Midland—DOE considers entitlements . . .	Sept 26 24
Gasohol gets in on entitlements . . .	Oct 3 43
Amoco challenges DOE of entitlements to spur gasohol projects . . .	Nov 28 18
Soy protein market . . .	Apr 18 38
Arco Chemical Co.—Chlorine and ethylene for Formosa Plastics . . .	July 11 13
MEK project at Channelview, Tex. planned . . .	Oct 10 13
MTBE capacity under construction . . .	Apr 11 43
NGL overcharges: DOE files court action . . .	May 30 55
Polymeric isocyanates plant at Lyondell complex in Channelview, Tex. . . .	July 11 22
Reward offered for information that would help police solve the murder of one of its executives, Nancy Ross . . .	Mar 28 25
Sorgenti, Harold A., president: Almost a CE dropout, he stuck and made it big . . .	Aug 29 60
Sorgenti, Harold A.: Oil and chemicals. Era of peaceful coexistence?—report, Meyer Lurie (tables) . . .	Oct 17 70
Urethane precursors expansion . . .	Sept 5 17
ARCO/Polymers—HDPE markets: producers, capacity etc. (table) . . .	Sept 19 33
Argo Paint & Chemical—Acquired by DuSoto, Inc. . . .	July 25 24
Aries International Group—Robert S. Aries plays a return engagement . . .	Sept 19 24
Arizona Chemical Co.—DOE considers entitlements . . .	Sept 26 24
Arizona Public Service Co.—Solar photovoltaic concentrator system to provide electricity to the local airport gets funds from DOE . . .	June 27 31
Armak Chemical Division—Catalysts report, Donald P. Burke Pt II: Who's who in catalysts . . .	Apr 4 63
Nitrile production capability at Morris, Ill. fatty amine plant increased . . .	Oct 24 24

Armco-Ketjen—Catalysts for Union Oil process . . .	R	Oct 31	23
Armco Inc.—Allied settles Armco coke-oven lawsuit . . .		Sept 26	19
Armstrong Cork—Hoffert discusses no-wax flooring at CSMA meeting . . .		Dec 12	39
Aromatics International—Reynolds, R.J. Industries plans sale . . .		Feb 14	18
Aron, J. & Co.—Silver prices . . .		July 25	33
Arrow Company—Cotton shirts are wrinkle-free . . .		Feb 7	25
Ashai Chemical Industry Co., Ltd.—Chromatographic method for separating ethyl benzene and para-xylene from mixed-xylene streams: ACS meeting . . .		Apr 11	45
Process for making methyl methacrylate (MMA) from isobutylene (or tert-butyl alcohol) . . .	N	Dec 5	65
Sales and profits up sharply (table) . . .	N	Nov 21	33
Tenac TP 300, acetal homopolymer can be electroplated . . .	N	Oct 17	40
Asarco—Cadmium products prices . . .	N	Aug 15	35
Zinc oxide prices . . .	N	Aug 15	35
Asbestos Corp.—Quebec moves nearer to acquiring Asbestos Corp. . . .	N	June 27	36
Canadian suit filed to prevent takeover by province of Quebec . . .	N	July 4	47
Ashaway Line & Twine Manufacturing Co.—Poromeric grips for tennis racquets . . .		Aug 22	43
Ashland Chemical Co.—Allemania Chemical see under name			
Calumet City, Ill., resin plant destroyed by explosion last year to be rebuilt . . .		Apr 11	25
Hall, John R. and Edward L. Von Doersten: Oil and chemicals. Era of peaceful coexistence?—report, Meyer Lurie (tables) . . .		Oct 17	70
Hercifina methanol plant in Plaquemine, La. to be bought . . .	R	May 9	21
Idol, James D., director of venture research: He made some dramatic changes pay off for him . . .		Feb 28	61
Polyester plastics prices . . .		Feb 28	28
Schering AG acquires three plants in Mapleton, Ill., Janesville, Wis., and Oakland, Calif. . . .	R	Jan 17	22
Semiconductors: chemical market (table) . . .	R	Nov 21	15
Ashland Oil Inc.—Acquires Allied Chemical's South Point, O., chemical plant . . .	R	June 6	22
Ashland may expand away from Ashland, Ky. . . .		Sept 5	18
Ashland-Warren Inc. to be sold . . .	R	Jan 31	21
Divestments were part of corporate strategy to tighten up, sort out; chemicals still play big role . . .	R	Mar 21	43
H-Coal: Senate budgets \$7.5 million more for H-Coal process . . .		Oct 10	24
Moorhead bid appraisal . . .		July 18	21
NLT Corp. spurns bid by Ashland Oil . . .		Aug 8	18
Process converts shale oil into jet fuel N Sale of oil and gas properties . . .		June 13	23
Johns-Manville wants to buy properties . . .		Jan 10	21
Petro-Lewis to acquire properties . . .		Feb 7	13
N Bids for properties total about \$750 million . . .	R	Feb 7	22
Ashland Oil Ltd. to be sold to consortium headed by British National Oil Corp. . . .	N	Feb 14	9
Deals to close . . .	N	Apr 4	17
Shale oil as a jet-fuel source studied . . .	R	Sept 5	22
Ashland Synthetic Fuels, Inc.—H-coal plant at Catlettsburg, Ky.: DOE coal plant study "distorted" says Ashland . . .		June 27	25
Ashland-Warren Inc.—Sold to undisclosed buyer . . .	R	Jan 31	21
Associated Octel—Australia testing filters to cut lead emissions . . .	N	Aug 15	38
Atlantic Cement Co.—Converted from oil to coal as kiln fuel in its plant at Ravena, N.Y. . . .		June 20	21
Atlantic Chemical—Small chemical companies brace for TSCA's impact . . .		May 2	57
Atlantic Research Corp.—LARC (light-activated reduction of chemicals) process removes halogens from wastewater . . .		May 2	53
Atlantic Richfield—Alaskan pipeline proposed by Northwest Alaskan Pipeline Co.: Oilmen have hope for natural gas line . . .		Aug 29	25
Anaconda merger: FTC move to settle review . . .	N	Mar 14	13
Ethylene: markets, capacity etc. (chart & table) . . .		Oct 3	32
Fluid catalytic cracking unit at Philadelphia refinery: \$100 million for construction . . .	N	May 20	13
Gasoline octane booster gets EPA go-ahead . . .	R	Feb 14	23
LDPE capacity, markets (chart & table) . . .	N	Nov 7	34
MTBE: EPA keeps open mind . . .	R	Jan 3	17
MTBE gets green light . . .	R	Mar 7	18
OCAW negotiations . . .	N	Jan 17	18
Oxirane's Channelview, Tex. ethylene glycol plant closing could trim net income . . .	R	Dec 5	17
Polypropylene markets: capacity (table) . . .	N	Oct 24	29
Refinery projects (table) . . .	N	Aug 29	20
Atlas Corp.—Uranium cartel suit . . .	N	July 25	26
Atlas Powder Co.—Atlas and Nobel form new team in explosives . . .	N	July 11	25
Explosives industry forecast . . .	N	Aug 22	17
Explosives production unit at Joplin, Mo. addition . . .	R	Feb 14	18
Auric Corp.—Semiconductors: chemical market (table) . . .	N	Nov 21	15
Austin Powder Co.—Explosives industry			

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Avco Everett Research Laboratory—Electricity from coal by MHD tested . . .	Feb 14 35
Avon Products—Sales and earnings up . . .	Nov 7 41
Avtex Fibers Inc.—Chemically crimped rayon set for commercialization . . .	Apr 4 29
Crutchfield, Jim, vice-president of marketing: He weaves a new career from familiar materials . . .	Mar 28 64
Rayon: New products, better cost comparisons are giving rayon a new image (charts) . . .	June 6 27
Rayon prices N May 16-30 . . .	Dec 5 49
Ayerst Laboratories—Incleral: heart drug approved for migraine headaches . . .	Mar 7 35
Study links estrogen use with uterine cancer . . .	Jan 10 18

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German CPI regains some vigor. Silke McQueen (charts & tables) . . .	June 20 47
ICWU seeks ban on Eli Lilly herbicide Oryzalin . . .	Nov 14 28
Naphtha prices . . .	May 23 30
Pilot plant in Brazil to test a new process for making olefins and aromatics from alcohol . . .	Nov 28 50
Process to make ethylene and propylene from methanol . . .	Aug 1 27
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Warehouse fire destroys supplies of pesticides and plastics . . .	June 27 36
BASF Wyandotte—Basagran, herbicide, made at Geismar, La. . . .	Oct 10 36
Block-polymer surfactants, named Tetric R polyols . . .	May 23 34
Catalysts report, Donald P. Burke Pt II: Who's who in catalysts . . .	Apr 4 63
Chlorine-caustic outlook (charts & table) . . .	Mar 14 30
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Dyestuffs industry: company digs in as four dye-makers call out (charts & table) . . .	July 4 16
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Fighting Island waste-disposal site in the Detroit River under scrutiny . . .	Dec 12 24
First U.S. MDI operation slated at Geismar, La. . . .	Oct 24 13
Foreign-owned firms looking at U.S. image . . .	May 30 66
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Pix growth regulator . . .	Oct 10 36
TDI market outlook (charts) . . .	Jan 24 35
BH South Ltd.—Conzinc Rio Tinto makes takeover offer . . .	Oct 3 31
BMI Ltd.—To test market fly ash as concrete additive . . .	Nov 14 51
Babcock & Wilcox—Dow Chemical's Midland, Mich. nuclear plant studied for changes . . .	May 2 18
Fluidized-bed boiler with guarantee offered N Feb 21-37 . . .	Mar 7 36
Oak Ridge fluidized-bed contract . . .	Sept 5 23
TVA fluidized-bed plant contract . . .	July 4 43
Badger—ACHEMA 1979 . . .	July 4 43
Electrical field may help recover oil from shale . . .	Oct 24 38
Methanol from coal: Pittsburgh conference . . .	Aug 8 38
Bedische Corp.—Acrylic monomers prices . . .	June 20 32
Butanol price discounts start to fade away . . .	Apr 25 27
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Caprolactam prices . . .	Oct 3 37
Neopentyl glycol plant at Freeport, Tex. . . .	June 13 22
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Sales growth seen; capital spending plans . . .	Jan 17 17
Bakelite Xylonite Ltd.—Polyolefin markets . . .	June 13 38
Baker International Corp.—Drilling-mud business . . .	Feb 28 26
Increases in domestic drilling predicted . . .	Apr 18 16
Baker, J.T. Chemical Div.—Klaas, Paul, president: A strong believer in R&D . . .	Aug 1 44
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Balistreri Group—Wipac-film systems . . .	Feb 28 49
Banger Punta Corp.—Cement demand . . .	Mar 14 16
Barber Oil Corp.—Engelhard moves toward acquisition . . .	Sept 12 13
Hanson Industries Inc. makes competing merger proposal . . .	Sept 26 13
Barilla S.p.A.—Graca sells interest in Finbarilla, S.p.A. . . .	Aug 8 13
Barnard and Burk Inc.—Rubicon contract for MDI unit at Geismar, La. . . .	Aug 15 24
Barnes Engineering—Infrared scanning equipment . . .	Mar 28 35
Barnes-Hind Pharmaceuticals—Market for chemicals . . .	Oct 3 39
Bernhill-Hayes—Affirmative-action pilot . . .	Aug 29 49
Bartholomew & Associates—Monsanto's Bidim polyester for a water-management system . . .	June 6 32
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Brown on innovation: The innovation review may succeed due to White House and Congressional interest	Apr 4	42	Chemetics International Ltd.-ACHEMA 1979: sulfuric acid recovery process	July 4	45	MacKinnon, A.M. (Don), new president. Methacrylene found to be carcinogen	N May 9	14
Butanol prices N Apr 18-23	Apr 25	27	Radial-flow converter to make sulfuric acid saves energy	Apr 25	58	Sales and earnings N Mar 14-40	N May 9	39
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Engineering fabrics	June 6	32	Dyestuffs industry: overcapacity impels company to sell out (charts & table)	July 4	16	Circle Shoe Repair-Shoe-repair materials. Citicorp Industrial Credit-Gilbert: fastest-growing form of financing is commercial finance	May 16	41
Fella comments on the recession	Sept 12	16	Letter	Aug 1	6	Cities Service Co.-Columbian Chemicals subsidiary formed	N Sept 12	13
Fiber markets (charts)	Jan 17	38	PPG Industries considers purchase of Chemical Products Div. business	Nov 10	45	Copper expansion with two projects in Arizona	Sept 12	28
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Oil-import breaks sought by chemical majors	Nov 7	24	Correction	Mar 14	37	NGL overcharges: DOE files court action	Jan 17	19
Organic chemicals prices	June 13	36	Chemical Projects Associates-Arkin discusses naphtha shortage	Mar 7	15	Ross, Hardy E. O., president of chemicals, Era of peaceful coexistence? report. Meyer Lurie (tables)	Oct 17	70
Pampa, Tex. plant switches from natural gas, but burning coal is not yet economic	Nov 21	48	Chemical Resources, Inc.-Methanol to stay tight through 1980	Nov 7	28	Scientific Design will evaluate a commercial hydrolysis plant	Dec 5	68
Pentarythritol prices	June 27	29	Chemische Werke Huels-Exxon licenses Huels technology, may make MTBE and butenes	Aug 29	43	Citizen Soldier-2,4,5-T: Dow Chemical representative denies a charge that the company engaged in "corporate espionage" against a Vietnam veterans' group to obtain a copy of a medical questionnaire related to alleged exposure to Agent Orange herbicide	Aug 29	33
Petpac polyethylene terephthalate (PET) resin capacity to be doubled at Palmetto plant in Darlington, S.C.	Sept 5	13	MTBE technology	Mar 7	18	Claire Mfg.-Pyrethrin manufacturers that use chlorofluorocarbon propellants may be granted relief	May 30	22
Plastics operations restructured: Celanese Special Products Co. and Celanese Plastics Materials Co. formed	Jan 17	18	Polyolefin markets	June 13	38	Cumax Molybdenum-Amax Mount Emmons, Colo. moly project faces uphill fight: Amax hopes to show mining and skiing can coexist	Aug 15	33
Forms Celanese Plastics and Specialties Co.	July 18	27	Switch to low-pressure, rhodium-catalyzed oxo process	Apr 18	30	Clorox Co.-Inventories: How some firms keep track of their supplies	May 23	15
Polyester fiber prices N Jan 10-24, N Feb 14-30, N Apr 4-29, N Dec 5-49	Dec 19	69	Chemithon Corp.-Impact Jet reactor makes a pitch for sulfonation applications	Feb 28	49	Kingsford Div.: Cookout market boosts sales of charcoal, startup chemicals	July 4	33
Polyester film business including plant at Greer, S.C. may be sold	Jan 17	19	Chemicals Industries-Retardants for combating brush and forest fires	Mar 28	40	Coastal Petroleum-Florida phosphate land buyers, International Minerals & Chemical and Mobil Oil, sued	Feb 7	21
American Hoechst to pay \$75 million for polyester film business	Apr 18	13	Chemplex-Ethylene: markets, capacity etc. (chart & table)	Oct 3	32	Coastal States Energy Co.-Coal venture with Getty Oil	Mar 21	17
Sold to American Hoechst	Aug 29	17	HDPE markets: producers, capacity etc. (table)	Sept 19	33	Coastal States Gas Corp.-Chinese crude oil	Feb 7	19
Prices for 17 chemicals	Mar 14	24	LDPE capacity, markets (chart & table)	Nov 7	34	Coastal States Petrochemical-Refinery capacity boost at Corpus Christi, Texas planned	Sept 26	21
Propanol/propanaldehyde portion of oxochemicals complex at Bay City, Tex. completed	Oct 17	28	ACHEMA 1979: design program	July 4	45	Cobafi-Brazil's Camacari complex (table)	May 23	27
Relocation: grappling with the high cost of relocation	Nov 14	80	Chem. Share-ACHEMA 1979: design program	July 4	45	Codelco-Chile's copper plants brighten outlook for treatment chemicals	Dec 12	59
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Centaur Management Consultants, Inc.-OSHA awards contract for study of generic pesticides standard	Aug 22	14	Socal and Cetus to construct pilot plant for biological conversion of ethylene and propylene	Oct 17	40	Columbia Nitrogen Corp.-Ammonia plant builders settle patent dispute	Sept 19	26
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Central Canada Potash-Potash capacity (table)	Aug 22	33	Chevron Research Co.-Landfarming to dispose of city wastes from refineries	Dec 5	68	Comalco Ltd.-Aluminum smelter at Gladstone N Apr 18-26	May 9	42
Central Soya-Coal-fired fluidized-bed boiler	Mar 7	36	Cherron U.S.A. Inc.-California air rules: San Francisco Bay area companies take their case to court	July 4	19	Australian buildup	Feb 28	53
Soy protein market	Apr 18	38	Lawsuit challenges Nevada tax plan	Mar 28	21	Queensland aluminum smelter capacity to be doubled	Sept 5	69
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Ethylene project delayed again	Oct 10	22	Chinese Petroleum Corp.-Can Taiwan do business as usual?	Jan 3	23	Thornton, James F., member of Hercules advisory council	Sept 26	13
Cerc, Inc.-Semiconductors: chemical market (table)	Nov 21	15	Fifth ethylene plant to be built	Sept 12	42	C.E. Lummus-Acetylene complex for GAF	Feb 28	13
Cessco-Pyrethrin manufacturers that use chlorofluorocarbon propellants may be granted relief	May 30	22	Chisso Corp.-Executives sentenced for polluting	Apr 4	23	Alaska Petrochemicals-Contract for refinery and petrochemical complex at Valdez, Alaska	Aug 8	22
Cetus Corp.-Biological conversion of ethylene and propylene: agreement with Socal	Oct 17	40	Polyolefin markets	June 13	39	Chinese will train in U.S. CPI plants	Sept 5	70
DNA development projects	Sept 26	34	Chiyoda Chemical Engineering and Construction Co.-Chinese contract for plant at Nanking	Feb 7	19	Contract for Exxon plant in Linden, N.J.	Aug 29	27
Microbiological research program aimed at boosting fermentation yields	Aug 8	42	Chlorine Engineering Corp.-China chlorine-caustic plant contract	Feb 7	19	Contract for Shell's synthetic pyrethroid plant	Aug 15	22
Champion International-Lumber companies are accelerating their buildup in pulp and paper (charts & table)	Aug 1	13	Chromalloy American Corp.-Drilling-mud business	Feb 28	26	Moriarty discusses synfuels	July 18	20
Champion Petroleum-Refinery expansion at Wilmington, Calif.	Feb 14	18	Sun Chemical to increase holdings	July 4	13	Niacin and niacinamide made from a single feedstock using the same equipment (flowchart)	Aug 22	38
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Chelsea Industries-Price-fixing among makers of plastic refuse bags probed: Chelsea subpoenaed	Feb 14	18	Chrysler Corp.-CPI has big stake in Chrysler vote (table)	Dec 19	23	Comision Chilena del Cobre-Chile's copper plans brighten outlook for treatment chemicals	Dec 12	59
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Chem Systems-Methanol shortages foreseen by 1990 in Europe, U.S. and Japan	June 13	40	Ciba-Geigy Corp.-Brazilian agricultural chemicals market	Oct 31	32			
Sherwin tells of methods that can trim the use of aromatics at AICHE meeting	Apr 11	42	Chlorobenzilate: EPA orders ban	Aug 29	27			
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Corco to pay Puerto Rico \$75 million. Corco settles claims, has takeover offers Dec 5 22

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Connaught Laboratories—Insulin-producing living cells are encapsulated for the first time Apr 4 37

N Live-cell implants—Connaught's living cells may help in treating diabetes Apr 25 53

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Midland nuclear plant completion delayed July 4 22

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Continental Gummi Werke AG—Uniroil tire plants in Europe to be bought Apr 25 17

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N Control Instruments Corp.—Flammable-gas detector, thermal sensing device, looking for work in chemical plants Aug 8 36

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EPA exceeded authority in dropping methyl chloroform and methylene chloride from an exempt list suit charges.	Apr 4	26	2,4,5-T: Dow makes its case for 2,4,5-T at American Farm Bureau conference.	June 13	22	Certified Painting System (CPS), program for Duco line of house paints includes a full warranty.	Aug 1	36
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Heat-transfer fluids.	Nov 14	86	Dow Chemical Europe—Drusenheim, France, complex to produce "Saracox" co-extruded multilayer barrier films.	Aug 15	24	Dyes and U.S. isocyanate products to be dropped.	Dec 13	21
HDPE markets: producers, capacity etc. (table).	Sept 19	33	Styrene prices.	Mar 7	32	Dyes: buyers for 80% of dyes business.	June 12	21
Hoerger on EPA's TSCA rules.	Jan 31	38	Dow Chemical Iberia—Ethylene plant at Huelva approved.	Aug 1	32	Dyestuffs industry: overcapacity impels company to sell out (charts & table).	July 4	16
Inspects buildings with mortar additive Sarabond.	Nov 28	22	Ethylene project delayed again.	Oct 10	22	—Letter.	Aug 1	6
Inventories: How some firms keep track of their supplies.	May 23	15	Dow Chemical International—Colombia shipping rates contested.	Feb 7	22	Engineering fabrics.	June 6	32
Liquid-chlorine and caustic prices.	Nov 7	34	Dow Chemical (Netherlands) B.V.—Lowlands CPI tries for new high-capacity.	July 11	34	EPA updates list of hazardous-waste sites.	July 18	23
LDPE capacity, markets (chart & table).	June 13	52	Dow Chemical of Canada Ltd.—Canada's CPI (chart & tables).	Apr 11	49	Fiber markets (charts).	Oct 3	32
Lundeen, Robert W., executive v-p: Former weatherman is still doing forecasting.	July 11	18	Canada may not be willing to export unlimited oil and gas unless U.S. opens the petrochemical market to Canada.	Oct 10	18	Fiber prices N Feb 14-30, N Apr 29-19.	Dec 19	69
Magnesium antitrust suit: Justice near decision.	June 27	27	Chlorine-caustic soda plant in Sarnia will supply the feedstock to Catalytic Enterprises Ltd. liquid hydrogen plant.	May 30	22	Flair Squares: new entry in the wall-covering market.	Mar 14	44
Magnesium metallurgical granules plant planned.	Feb 14	33	Chlorine danger forces evacuation after derailment at Mississauga, Ont.	Nov 21	20	Fluoropolymers expansion.	Sept 5	17
Merszel, Zoltan resigns as chairman: Earle B. Barnes replaces him.	Feb 14	29	Naegele and Mott discuss Canadian exports of gas and oil.	Oct 17	20	Forney, Robert C.: This engineer has a wife who understands.	July 18	60
Michigan releases list of contamination sites.	Dec 19	24	Dow Chemical U.K. Ltd.—Hague over-regulation will 'slow us down and be very costly.'	Oct 24	36	"Freon" 14 fluorocarbon at Chambers Works in Deepwater, N.J. capacity to triple.	Apr 18	20
Michigan ruling would extend deadline for emissions control from Midland coal-fired plants.	Jan 3	21	Dow Chemical U.S.A.—Costs for complying with government regulations total \$268 million in 1977.	Feb 14	18	Fuel: plants use coal and natural gas.	June 20	20
Midland Conference seeks way to bridge industry/academic gap.	Oct 24	38	Ferro Corp. to acquire color-concrete business.	June 27	17	Fungicide Benlate checks for use: workers wear protective equipment.	Sept 12	14
Midland meeting aims: tilting R&D upward.	Oct 31	29	Dow Corning Corp.—British government approves a \$40.7-million subsidy for expansion of Barry, South Wales, silicone products plant.	Sept 19	17	Gas woes fuel car pool drive.	July 18	36
Midland nuclear plant studied for changes.	May 2	18	Materials for soft contact lenses.	Oct 3	38	Genetic-engineering program.	June 27	32
Oil-import breaks sought by chemical majors.	Nov 7	24	SECO cogeneration project that will burn wood reloaded.	Oct 10	42	Gossamer Albatross, pedal-driven airplane using Du Pont materials will attempt to cross English Channel.	Mar 28	22
OPEC price hike effects.	Jan 3	17	Semiconductors: chemical market (table).	Nov 21	15	Man-powered aircraft crosses Channel.	June 20	27
Oreffice, Paul: Do we really need a chemical industry? Other views.	Oct 31	5	Shin-Etsu Handotai shares to be sold.	Mar 14	13	HDPE markets: producers, capacity etc. (table).	Sept 19	33
Phenol plant in Europe will be "of world-scale capacity."	Nov 28	17	Silicone coating for specialty glazing.	Sept 19	20	Hydrocarbon agreement with Shell.	Apr 18	13
Phenol prices N Feb 14-30, N Mar 21-32.	Oct 3	37	Silicone products prices.	Oct 17	54	LDPE: Union Carbide licenses low-pressure polyethylene process to Exxon.	Apr 18	13
Pittsburg, Calif., plant explosion kills two, injures 101.	June 6	21	Silicone rubber prices.	Feb 28	27	Hydrofluoric acid prices.	Oct 17	54
Pollution control controversy: Dow and EPA argue over controls at Midland plant.	Oct 31	48	Silicone structural adhesives and epoxies.	Mar 21	40	Hydrogen peroxide expansions highlight bullish forecast (table).	Dec 12	33
PCBs: Dow and EPA to meet over PCB violation.	Oct 17	22	Dravo Corp.—Lectro Clear electrical process removes solids from waste streams (flowchart).	Jan 24	39	Hydrophilic finish for polyester.	Feb 7	26
Polyethylene: capacity expansion for new line of linear low- and intermediate-density polyethylene resins.	Oct 31	13	Lime markets (chart).	Apr 11	30	Hytrex copolyester capacity boost.	Apr 18	30
Polyethylene: HDPE prices.	July 18	34	Moorehead bill appraisal.	July 28	21	Hytrex copolyester thermoplastic elastomer plant.	June 6	38
Polyethylene film prices.	Nov 7	30	Dresser Industries—Drilling-mud business.	Feb 28	26	ICI charged with infringement of polyester patents.	July 4	22
Polyethylene's new pitch: properties, not process. The line that differentiates low-density from high-density polyethylene resins is becoming more blurred.	Nov 7	50	Orthochlorophenol spill from derailed train in Sturgeon, Mo.: Suits boost claims for dioxin-spill damage.	July 25	21	Infrared maintenance.	Mar 28	35
Polyolefin market outlook.	Dec 13	32	Drexel Chemical—Boiler fuel additive corrosion and scale damage prevention chemicals, Dregard 187 and Amperplex.	Jan 10	45	International business growth seen by Simral.	Sept 26	13
Polystyrene prices N Feb 14-30, N May 30-24, N June 13-36.	July 4	53	Drexel Burnham Lambert Inc.—Household products sales study (chart).	Jan 24	44	Inventory reductions in several areas expected.	Oct 3	16
Product responsibility programs.	July 25	13	Dunhill Personnel System—Shortages of petroleum and chemical engineers, geologists, and geophysicists.	July 11	21	Iranian crisis.	Nov 21	17
Products from crude-processing unit to be sold.	July 11	23				Jefferson, Edward G. to be next president.	Oct 24	18
Rail-car detention-time charges to be increased.	Oct 24	49				Kapton polyimide film capacity to be doubled at Circleville, O. plant.	Apr 4	17
Reflections on the Great Depression. Paul F. Oreffice.						Karr at OSHA seminar.	Sept 19	26
						Kevlar aramid fibers projects will triple capacity.	May 30	13
						Kevlar for boats.	Jan 24	15
						Kevlar will be used on Army RPVS.	Sept 12	20
						LC accessories.	Mar 14	39
						Lipton discusses pigments at NP & CA meeting.	Nov 7	40
						LDPE capacity, markets (chart & table).	Nov 7	34
						Marine-coatings market.	July 25	42
						Merger talks with Shiply.	Oct 17	17
						Methanol, formaldehyde prices.	Aug 8	23

Methanol plant at Deer Park, Texas. . .	N	Aug 8 25	Polyester fiber prices. . .	N	Feb 14 30	Enviro Control-NIOSH symposium to offer free emission-control help. . .	Jan 31 40
Correction. . .	N	Aug 15 29	Polyester shipments trimmed. . .	N	Apr 25 27	Envirotech-Filtration equipment. . .	Jan 24 39
Methylmethacrylate-based concrete for bridge maintenance. . .	Aug 29 52		Polypropylene markets: capacity (table). . .	Oct 24 29		Equitable Environmental Health-Survey of environmental issues. . .	Feb 21 41
Michigan releases list of contamination sites. . .	Dec 19 24		Reid, Toy F., general manager: His forecast at Eastman: A 'good year' for 1979. . .	June 6 48		Equities Holding Corp.-Allied's fluorospar mining and milling operations to be bought. . .	Aug 1 18
Mineral-reinforced version of Zytel ST (super tough) nylon, called Minlon 12T. . .	N	Apr 18 30	Synthetic-fiber prices. . .	Aug 1 20		R Union Carbide's footcandle and sponge rubber operation purchased. . .	Mar 21 26
Mosca in doubt; regulations may force processors to change cast-urethane specialties. . .	June 13 48		Eastman Kodak-Capital expenditures in 1979 will be \$600 million, 30% for chemicals. . .	Jan 24 9		Ergon, Inc.-Solar power system for Mobile, Ala. plant. . .	Feb 7 38
Nafion membrane. . .	N	May 16 43	Reid, Toy F., executive v.p.: his forecast at Eastman: a 'good year' for 1979. . .	June 6 48		Ernst & Ernst-Thermoplastic study. . .	May 30 24
Nylon prices. . .	N	May 16 30	Sales and earnings-third quarter. . .	Nov 7 22		Ernst & Whinney-Polypropylene markets (chart & table). . .	Oct 24 29
On Berg at Toxicology Forum. . .	Feb 14 39		Semiconductors: chemical market (table). . .	Nov 21 15		Thermoplastics consumption will up 15.7% in first half-SPI data. . .	Aug 29 33
OPEC price hike effects. . .	Jan 3 17		Edson Metals-Sell, plastics bid for storage tank sales. . .	Sept 19 52		Esmark-Haifa Chemicals acquisition talks stalled. . .	Feb 21 48
PET deal with ICI. . .	N	Jan 10 13	Esabco Services-Oak Ridge awards contracts for bumpy torus fusion devices called the ELMO Bumpy Torus (EBT). . .	Aug 29 43		Reliance Universal acquisition considered. . .	Sept 5 19
PET license issued to Montedison. . .	N	Apr 26 17	Eberstadt, F. & Co.-OTA study will look at applied genetics. . .	Nov 14 23		Unitech Chemical Inc. see under name. . .	
Pollution-control business. . .	Nov 7 52		Edelman, Daniel J. (Co.)-Hooker metal public relations campaign to boost sagging image. . .	June 6 18		Esso Australia-Altona Petrochemicals Co. see under name. . .	Oct 17 54
Polyester film package may cut home air-conditioning costs. . .	N	Aug 1 27	Edgewood Farms, Inc.-Michigan seeks sites of Velsicol waste dumps. . .	July 4 21		Esso Chemical-Gas-based plants in Alberta (table). . .	Dec 19 27
Polyethylene's new pitch: properties, not process. The line that differentiates low-density from high-density polyethylene resins is becoming more blurred. . .	Nov 7 50		El Paso-Dart Industries' 50% share in Rexene Polyethylene and Consolidated Thermoplastics to be bought. . .	June 20 22		Esso Chemical Supply-Colombia shipping rates contested. . .	Feb 7 22
Polyolefin shrink film expansion at Clinton, Ia. . .	N	Jan 10 13	Acquisition complete. . .	Sept 12 28		Esso Chemical U.K. Ltd.-Scotland's gas separation plant delayed. . .	May 9 40
Poromeric grips for tennis racquets. . .	Aug 22 43		R Ethylene: markets, capacity etc. (chart & table). . .	Oct 3 32		Construction still in doubt: Shell and Esso fight for U.K. petrochemical base. . .	July 4 48
Prendergast, George J., Jr.: Oil and chemicals. Era of peaceful coexistence? report, Meyer Lurie (table). . .	Oct 17 70		LDPE capacity, markets (table & chart). . .	Nov 7 34		U.K. gas-separation unit is okayed, faces more delay. . .	Aug 22 35
Puerto Rico-report, Meyer Lurie (charts & tables). . .	Apr 11 56		Mexican gas competition. . .	Aug 1 9		Gas-separation unit is challenged again. . .	Oct 3 31
Sales and earnings, fourth-quarter '78. . .	Jan 24 13		N Eldib Engineering & Research-Asian animal-feed industry. . .	Nov 21 22		Esso Italia-Manager at Augusta refinery cleared of violating water-pollution law. . .	Nov 21 28
Self-insurance. . .	Oct 3 40		Food markets pick up for protein additives. . .	Aug 1 36		Esso Petroleum-Britain's Price Commission is getting tough. . .	Mar 28 37
Semiconductors: chemical market (table). . .	Nov 21 15		Vitamin use survey. . .	May 2 51		British CPI braces for inflation's impact, Tim Keeley (charts). . .	Oct 24 32
Shapiro, Irving S.: The media are in the castle to stay-Other views. . .	Oct 17 6		Eldorado Nuclear Ltd.-Uranium refinery in Ontario: Lumus Co. Canada named prime contractor. . .	Aug 22 30		Esochem Europe-Aliphatic solvents makers hurt by high feedstock costs. . .	Feb 28 51
Shapiro to get annual Chemical Industry symposium. . .	Oct 10 19		Electric Power Research Institute-Napco will be tested for sulfur removal in coal-fired power plant. . .	Oct 31 40		Estech, Inc.-Acquires some fertilizer interests from Agric Chemical. . .	June 20 17
Shapiro speaks on U.S. innovation. . .	Jan 31 19		N Electronic Chemical Corp.-Semiconductors: chemical market (table). . .	Nov 21 15		Estel of Nijmegen-Aluminum operations in Europe will be combined with Kaiser. . .	July 25 13
Shapiro to get annual Chemical Industry Award. . .	Sept 26 21		Elf Aquitaine-Gas chromatograph will purify perfume, flavor chemicals on plant scale. . .	June 6 35		Estireno do Nordeste-Brazil's Camacari complex (table). . .	May 23 26
Shipley Co. to be acquired. . .	Dec 5 43		Correction. . .	June 20 56		Ethicon, Inc.-Cyanoacrylates seek role as surgical adhesives. . .	Aug 29 51
Tanker of hydrogen fluoride derailed near Holland, Mich. . .	Nov 21 20		Laboratory model of a production-scale gas chromatography process. . .	Nov 14 66		Ethyl Corp.-Air travel: How firms spread the risk of air travel. . .	June 13 45
TDI market outlook (charts). . .	Jan 24 35		Thiolytic acid: production boost. . .	Sept 26 69		Antiknock gets a bum rap-Viewpoint. . .	May 30 5
Tedlar polyvinyl fluoride film developed by Du Pont may cut cost of printed circuit boards. . .	Sept 19 43		Elk River Resources Co.-Sun Co. sets acquisition. . .	Sept 12 13		Anti-knock pricing studied by FTC May 23-19, Oct 10-18. . .	Dec 12 22
Three-for-one stock split is a major production. . .	June 13 45		N Elkhorn Insurance-Captive insurance companies. . .	Oct 3 41		Australia testing filters to cut lead emissions. . .	Aug 15 38
Titanium dioxide: Du Pont launches its defense in FTC's TiO ₂ antitrust suit. . .	Feb 14 14		Eltra Corp.-Allied Chemical plans acquisition N July 4-13. . .	Aug 15 24		Chlorine-caustic outlook (charts & table). . .	Mar 14 30
Titanium dioxide for epoxy-based pavement marking. . .	Sept 26 18		Prestolite Div.: Battery business (chart & table). . .	Jan 10 14		Hydrocarbon-propeller containers' MMT: threatened suits make refiners wary of MMT. . .	June 13 21
TiO ₂ plant on strike at DeLisle, Miss. . .	Dec 12 21		Elwood Insurance, Ltd.-Captive insurance companies. . .	Oct 3 41		Polyvinyl chloride compounding plant in Gallman, Miss. planned. . .	Apr 11 25
Trademark policing: firms strive to keep well-known trademarks out of common usage. . .	Aug 15 45		Emery Industries-Fatty-acid-based plasticizer prices. . .	Oct 3 37		PVC pipe business sold to Harco Corp. . .	Jan 10 13
USW claims Du Pont is shorting employees. . .	May 23 20		N Emhart Corp.-Mallory's components group to be bought from Dart. . .	June 13 13		Etoxiados do Nordeste-Brazil's Camacari complex (table). . .	May 23 27
Vazo 52 polymerization initiator expansion at Bell, W. Va. . .	Aug 29 27		N Energy Co. of Sao Paulo-Methanol from eucalyptus trees manufacturing scheme. . .	Mar 14 38		Euteco-Ailing Italian chemical firms may get new financing from banks. . .	Jan 17 32
R Du Pont of Canada-Canada's CPI (chart & tables). . .	Apr 11 49		Methanol program proposed. . .	Feb 28 51		N Explosivos Rio Tinto-Spanish ethylene plant. . .	Aug 1 32
Investment program is paying off. . .	Nov 21 28		N Energy Conversion Devices Inc.-Amorphous cell. . .	July 11 30		Exxon Corp.-Acquisition of Reliance Electric hits a snag in court. . .	Aug 8 14
Du Pont Puerto Rico-Du Pont to drop dyes. . .	June 13 21		Siicon-fluorine-hydrogen semiconductor material developed by Ovshinsky could yield low-cost solar cells; DOE to consider funding. . .	Jan 3 36		N Exxon buys Reliance without FTC's blessing. . .	Oct 3 19
Dutch Boy, Inc.-Burns, Michael J., president and general manager of coatings group: they were sure he would hang out his shingle. . .	July 4 60		Energy of the Northeast (Enconco) Roshayn pushes for regional energy firm. . .	Mar 7 24		Alaskan Natural gas reserves acquired by American Natural Resources. . .	June 6 22
Duval Corp.-Potash capacity (table). . .	Aug 22 33		Energy Incorporated-Agricultural wastes in a fluidized turbine to generate electricity and supply heat for drying potatoes. . .	Apr 11 41		N Alaskan pipeline proposed by Northwest Alaskan Pipeline Co.: Oilmen have hope for natural gas line. . .	Aug 29 25
Dycal Chemical-Unilever acquisition. . .	Oct 17 25		N Energy Recycling Corp.-Coal-cleaning process developed. . .	Oct 10 42		Baytown, Tex. fire damages resid-refining unit. . .	Oct 24 22
Dye Carbonic, Inc.-Acquired by AmeriGas, Inc. . .	July 11 22		N Energy Sciences & Consultants-Explosives industry forecast. . .	Aug 22 17		Baytown olefins plant starts up. . .	Dec 5 49
Dye, Gil B. Exploration Co.-AmeriGas acquires certain assets. . .	July 11 22		Energy Systems Co.-DOE considers entitlements. . .	Sept 26 24		N Bayway chemical plant in Linden, N.J. contract to C-E Lummus. . .	Aug 29 27
Dynamit Nobel-German CPI regains some vigor. Silke McQueen (charts & tables). . .	June 20 47		Engelhardt Minerals & Chemicals-Acquisition agreement with Barber Oil Corp. . .	Sept 12 13		Bayway, N.J. refinery fire and explosion. Benzene case Jan 3-19, N Feb 28-14, May 20-22. . .	Oct 3 18
Dynamit Nobel of America-Harte & Co. to be bought from Diamond Shamrock. . .	Nov 14 17		N Hanson Industries, Inc. makes competing merger proposal. . .	Sept 26 13		Carter Oil see under name. . .	
Dynalectron Corp.-Moorhead bill appraisal. . .	July 18 21		N Bulk-storage and distribution terminal for petroleum-cracking catalysts in Houston. . .	May 9 21		Dispersants used to clean up Mexican oil spill. . .	Aug 29 25
			Catalysts report, Donald P. Burke Pt II: Who's who in catalysts. . .	Apr 4 63		Distillate facility at Baton Rouge, La. doubling capacity. . .	May 30 13
EM Industries-Pigments plant near Savannah, Ga. . .	Nov 21 22		N Lime markets (chart & table). . .	Apr 11 31		N Ethylene: markets, capacity etc. (chart & table). . .	Oct 3 32
EM Laboratories-Semiconductors: chemical market (table). . .	Nov 21 15		Management: Kaplan, Mark N. resigns as president; Rosenthal takes on additional duties of president; other changes. . .	Sept 26 64		Ethylene prices. . .	Mar 14 24
ESB Ray-O-Vac Corp.-Battery business (chart & table). . .	Jan 10 14		Phosphate-phosphoric acid markets (table). . .	Aug 1 26		N Ferro Corp. to acquire color-concentrate business. . .	June 27 17
Eagle-Picher Industries-Semiconductors: chemical market (table). . .	Nov 21 15		Uranium cartel suit. . .	July 26 26		HDPE expansion. . .	Sept 5 17
Earthline-Kin Buc landfill in Edison, N.J.: Justice, EPA sue under RCRA. . .	Feb 14 13		Engineering-Sciences-Mallory at AICHE meeting discusses hazardous waste. . .	Aug 29 44		Hochgraf, Norman: Oil and chemicals. Era of peaceful coexistence? report, Meyer Lurie (tables). . .	Oct 17 70
East Shore Chemicals-Michigan releases list of contamination sites. . .	Dec 19 24		N ENI-Italian government supports recovery plans. . .	Aug 29 44		Interior seeks to prod Exxon to speed up Santa Barbara oil, gas project. . .	Aug 1 10
Eastern Rubber Reclaiming-Justice Dept. files waste disposal suit. . .	May 2 15		N Saudi Arabia cancels oil contract. . .	Dec 12 56		N Inventory levels. . .	Oct 3 17
Eastman Chemical Products, Inc.-Campbell, Decatur B. Jr., president: He's always thought of himself as a chemist. . .	Aug 22 48		N Ensidesa-Spanish CPI faces production cutbacks to help reduce pollution. . .	Oct 10 40		Licenses Huels technology. . .	Aug 29 43
Cyanoacrylate adhesive Apr 28-54. . .	Aug 29 51		Entreprise at Miniere Chimique-Contracts for Arab Potash output. . .	Sept 26 53		LDPE capacity, markets (chart & table). . .	Nov 7 34
Cyanoacrylates market. . .	Mar 21 39					LDPE plant in Mont Belvieu, Tex.: UC's LDPE process licensed. . .	Apr 18 13
Ethylene: markets, capacity etc. (chart & table). . .	Oct 3 32					Contract to Brown & Root. . .	Aug 22 30
LDPE capacity, markets (chart & table). . .	Nov 7 34					Plans expanded. . .	Dec 12 17
Mosca in doubt; regulations may force processors to change cast-urethane specialties. . .	June 13 48						

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LDPE plants will use Mitsubishi technology.	R	June 20	28
MMT: threatened suits make refiners wary of MMT.	N	June 13	21
MTBE plant planned.	N	May 30	55
National Distillers' U.S.I. Europe's LDPE operations to be bought.	N	Feb 14	9
NGL overcharges: DOE files court action.	N	Jan 17	19
Northern Natural Gas to purchase Alaskan gas.	R	May 9	21
O'Brien at CMRA discusses oil-field chemicals.	R	Feb 21	40
Polycrystalline silicon.	N	July 11	30
Polyethylene: LDPE prices.	N	July 11	30
11-23.	N	Oct 10	39
Polyethylene film capacity at Lake Zurich, Ill. to double.	R	Oct 17	28
Polypropylene markets: capacity (table).	R	Oct 24	29
Refinery projects (table).	R	Aug 29	20
Shell/Exxon projects in Saudi Arabia aimed in negotiations.	N	May 9	13
SNG from catalytic gasification—Pittsburgh conference.	N	Aug 8	32
Exxon Education Foundation—Corporate aid to education.	N	May 2	62
Exxon Research and Engineering Co.—AAAS' David suggests research partnerships between private industry and the universities.	N	Jan 17	29
DOE contract to study stability of synthetic fuels.	N	June 13	23

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FMC Corp.—Chlorinated isocyanurates.	N	Apr 18	23
Chlorine-caustic outlook (charts & table).	N	Mar 14	30
Cyanuric acid.	N	Apr 18	23
EPA updates its list of hazardous waste sites.	N	July 18	23
Financial report to N.Y. security analysts by Tower.	N	Feb 21	22
Forecasting: executives remain wary of projections.	N	June 20	39
Glycerine, soda ash prices N Mar 7-32.	N	June 20	32
Hydrogen peroxide expansions highlight bullish forecast.	N	Dec 12	33
Hydrogen peroxide prices.	N	Apr 4	29
Patent protests aimed at Hungarian traders.	N	Aug 1	18
Persulfate price fixing suit: consent decree offered.	N	Feb 28	18
Pyrethroids.	N	Jan 17	42
Study on special problems for industrial detergents.	R	Nov 28	28
Tributyl phosphate prices.	N	Oct 24	28
Trona technique sparks major development program at Green River, Wyo.	N	Dec 12	17
Faberge—Sales and earnings up.	N	Nov 7	41
Fairfield American—Pyrethrum importer.	N	Jan 17	42
Falcon Seaboard Co.—Diamond Shamrock's acquisition protested by TVA.	N	Jan 3	13
Director's quitting doesn't deter voters of Diamond Shamrock.	N	Feb 28	13
Farboil Co.—Marine-coatings market.	N	July 25	42
Farmers Chemical Assn.—Transco ordered to pay more in damages.	N	Feb 28	24
Farmland — Phosphate-phosphoric acid markets (table).	N	Aug 1	26
Faserwerke Huels—German CPI regains some vigor. Silke McQueen (charts & tables).	N	June 20	47
Federal Chemical—Pyrethrin manufacturers that use chemical carbon propellants may be granted relief.	N	May 30	22
Federal Paper Board Co.—Joint venture refinery in N.C.	N	Nov 7	17
Federal Pharmaceutical, Inc.—Cephalexin: Lilly granted injunction against Premo and Federal in patent case.	N	July 25	24
Federal Resources Corp.—Uranium cartel suit.	N	July 25	26
Ferro Corp.—Acquisition of Betagumica, Brazilian company.	N	Feb 21	17
Cataphote Division: Glass beads for epoxy-based pavement marking.	N	Sept 19	43
Cleveland CPI firms given little say as city's problems mount.	N	Jan 31	33
Dow, Exxon color-co-concentrate businesses to be acquired.	N	June 27	17
Fertilizantes Nitrogenados — Brazil's Camacari complex (table).	N	May 23	26
Fiber Industries Inc.—Petrac polyethylene terephthalate (PET) resin capacity to be doubled at Palmerton plant in Darlington, S.C.	N	Sept 5	13
Polyester expansion.	N	Sept 5	17
Fike Chemicals—Nitro, W. Va. plant dispute: Fike agrees to settle with OSHA for \$100.	N	May 16	27
Small chemical companies brace for TSCA's impact.	N	May 2	58
Fittrol—Catalysts report. Donald P. Burke Pt II: Who's who in catalysts.	N	Apr 4	63
Finbarilla S.p.A.—Grace's interest in Barilla S.p.A. purchased.	N	Aug 8	13
Fingerhut Corp.—American Can completes acquisition.	N	Jan 10	13
Firestone Tire and Rubber—Assessed \$10,000 in criminal fines for false income tax returns it admitted filing in 1972 and 1973.	N	Aug 8	18
Borg-Warner merger plans stalled.	N	Mar 7	13
Merger plans restart.	N	Mar 28	17
Merger off.	N	May 2	19
COWPS approves contract with URW.	N	Nov 7	25
Labor contracts: countdown to rubber bargaining.	N	Feb 14	33

Swiss subsidiary ordered to pay a \$1.6-million penalty for alleged violation of a union contract at the Pratteln tire plant.	N	Dec 5	27
Tire makers face flat sales in the 1980s (chart & table).	N	May 30	16
URW, company sign no-strike pledge.	N	Feb 21	21
URW reaches settlement.	N	June 27	23
First Boston Corp.—Raman, Anantha K.S.: Oil and chemicals. Era of peaceful coexistence?—report. Meyer Lurie (table).	N	Oct 17	70
First Mississippi Corp.—FERC may let Ampro ammonia plant use offshore gas.	N	July 11	21
Phosphate-phosphoric acid markets (table).	N	Aug 1	26
Fisher Controls Corp. of Delaware—Venture specializing in process controls and valves.	R	Mar 7	24
Fischer & Porter—Distributed-control system.	N	Apr 11	41
—Correction.	N	Apr 18	30
Systems for control instrumentation.	N	May 2	55
Fisher Scientific—AtomComp line of ICAP instrument.	N	Mar 14	39
Fiabe—Brazil's Camacari complex (table).	N	May 23	26
Fisons, Ltd.—Hydrazine's worldwide markets (chart).	N	Sept 12	34
Sales and earnings: '78.	N	Mar 14	40
Flecto Co.—Envirosol System for do-it-yourself paints and varnishes: New coatings work like solvent systems, but clean up with water.	N	May 16	42
Flexcraft Industries—CBS and others sued by New Jersey chemist over report on pollution.	N	Sept 12	25
Flintkote—Lime markets (chart).	N	Apr 11	30
Florida Gas—Mexican gas competition. N Fluor Corp.—Ammonia plant builders settle patent dispute.	N	Aug 1	9
Capital spending in 10 chemical lines: moderate rate of growth seen.	N	Sept 19	26
Costs to attain 1990 synfuels goal put at more than \$100 billion.	N	July 25	13
Sasol subcontract.	N	July 25	46
South Africa will expand coal gasification plant, Sasol II.	N	Oct 17	24
Fluor Engineers and Constructors—Fischer-Tropsch coal conversion technology to be sold in U.S.	N	Mar 7	23
Sasol chemistry ready to go to work in U.S. synfuels programs (flowchart).	N	Sept 5	76
Fluor Mining & Metals—Chemical—Acquisition for study of surface mining of lignite.	N	Sept 12	45
Fokker-VFW—Defective aluminum may be in aircraft.	N	Feb 14	18
Food Protein Council—Soy protein market.	N	Aug 15	20
Footo Metal—Lithium chemical prices N.	N	Apr 18	38
Ford Motor Co.—CPI will fuel Detroit's efficiency drive (table).	N	Sept 26	46
Graphite-composite development projects.	N	Sept 19	20
1980 cars will offer metric radial tires; "light-off" secondary catalytic converter; system; cast magnesium parts.	N	Mar 7	22
Formica—McKesson Chemical—Acquisition proposal from a private investment group now forming, which would include members of Formica-McKesson management.	N	June 6	20
Blocker discusses inventories.	N	Oct 24	21
Formica Corp.—Formica trademark gets support in Congress.	N	Oct 3	17
Formica loses round.	N	May 9	14
FTC's action on Formica helps spur increased trademark policing.	N	June 13	14
Formosa Plastics—Know-how contracts are signed for Taiwan plants.	N	Aug 15	45
Polyvinyl chloride expansion.	N	May 30	28
Texas projects: investment-based systems.	N	Sept 5	17
Foster Wheeler—Contract for Shell oilfins plant at Stanlow.	R	July 11	13
Fluidized-bed boiler.	N	Jan 24	17
Solar power may generate steam at Dow plant N Jan 17-28.	N	Mar 7	36
Foster Wheeler Energy Corp.—Steel-making process uses aluminum water.	N	Feb 7	37
Foster Wheeler Italiana—Contractor for Greek petrochemical complex.	N	Feb 28	48
Contractor for Himik.	N	June 27	36
Four-D Marketing Corp.—Jobo-based shampoo.	N	July 18	39
Fox-Morris Personnel Consultants—Executive hiring report.	N	Feb 7	32
Foxboro—Microprocessor-based systems for distributed control called spectrum N.	N	Jan 10	32
Miran-801 unit.	N	Apr 25	48
Systems for control instrumentation.	N	Mar 14	39
Freeport Indonesia—Copper project.	N	May 2	55
Freeport Minerals Co.—Diversification program: company now holds a "full house" of profitable businesses.	N	May 23	17
Phosphate-phosphoric acid markets (table).	N	May 23	17
Sulfur prices N Jan 3-40, N Aug 8-23, N Aug 15-35.	N	Aug 1	26
N Sulfur sales.	N	Nov 14	44
Uranium export: recovery operation plan near Donaldsonville, La.	N	Aug 8	18
Uranium shipment from Louisiana phosphoric acid uranium-recovery operation.	N	Oct 17	17
Freeport Oil Co.—Offshore drilling in Baltimore Canyon.	R	Jan 31	21
Freeport Sulphur Co.—Sulfur mine in Louisiana planned.	N	May 23	17
Sulfur prices.	N	Oct 3	13
	N	May 16	30

French, R.T.—Charcoal starter: Zip Fire Starter.	N	July 4	34
Frost & Sullivan, Inc.—European market—research reports.	N	June 27	40
Food markets pick up for protein additives.	N	Aug 1	36
Pressure-sensitive adhesives market study.	R	May 2	51
Fuel Savers Inc.—Heat-imaging equipment.	R	Mar 28	35
Fuller, H.B. Co.—Acrylic industrial adhesives.	N	Apr 25	55
Andersen reports to Chicago analysts.	N	Apr 14	17

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GAF Corp.—Acetylene chemicals complex planned at Seadrift, Tex.	N	Feb 28	13
Blast kills two at plant in Linden, N.J.	N	Apr 4	26
Dalton, P.B. resigns; Dr. Jesse Werner becomes president.	R	July 25	24
Dyestuffs industry: overcapacity impels company to sell out (charts & table).	N	July 4	16
—Letter.	N	Aug 1	8
Gas mat production unit at Chester, S.C.	N	Jan 24	17
ICWU seeks ban on Eli Lilly herbicide Oryzalin.	N	Nov 14	28
Moca in doubt; regulations may force processors to change cast-urethane specialties.	N	June 13	48
Roofing-granule capacity expansions.	N	May 2	13
Sheet-vinyl Muller, Ireland.	N	June 13	22
G.A.T.X.—Orthochlorophenol spill from derailed train in Sturgeon, Mo.; Suits boost claims for dioxin-spill damage.	N	July 25	21
Gardiner — Phosphate-phosphoric acid markets (table).	N	Aug 1	26
Garrett—Centrifuges for DOE's uranium enrichment program.	N	Aug 22	36
Garry Manufacturing Co.—Acquired by Akzona.	N	Aug 15	13
Gary Co.—Structural modified acrylics.	N	Mar 21	40
Genentech—DNA research.	N	Sept 26	34
Genetech invests \$10 million in DNA tech.	N	Oct 17	17
NIH may soon relax DNA guidelines.	N	Sept 19	22
NIH panel gives nod to DNA work on vaccine.	N	Dec 19	22
Recombinant-DNA research.	N	June 27	32
Research teams use recombinant DNA to make growth hormone.	N	July 18	25
General Atomic Co.—U.S. and Japan launch \$60-million joint atomic-fusion project to upgrade the Doublet III Tokamak.	N	Sept 12	48
General Battery—Battery business (chart & table).	N	Jan 10	14
General Circuits, Inc.—Acquired by Akzona.	N	Aug 15	13
General Crude Co.—Gulf will buy oil and gas operation from IP.	N	Mar 14	13
Tenneco and Southland Royalty make joint offer for General Crude; Mobil may bid.	N	Mar 21	17
Mobil offers makes bidding for General Crude Oil go higher.	N	Mar 28	17
Mobil's \$800 million bid wins N Apr 4-17.	N	July 18	27
General Dynamics—Asbestos Corp. see under name.	N	Aug 15	20
F-16 fighter aircraft: Defective aluminum may be in aircraft.	N	Aug 15	20
Marblehead Lime see under name.	N	June 6	26
General Electric Co.—Arnox, new epoxide resin.	N	Dec 5	50
Bisphenol A capacity (table).	N	Sept 12	48
Contract to design prototype of newest solar collector.	N	July 4	39
TV-1 experimental electric vehicle delivered to DOE.	N	July 18	42
Experimental facility for fluidized-bed combustion of coal.	N	Mar 28	35
Heat-imaging equipment.	N	Apr 11	18
Life forms: Federal court rules again that lab-created life forms can be patented.	N	Nov 7	20
N Life-form patent case to be heard by Supreme Court.	N	Jan 31	36
Long-distance chemical heat pipes may transport energy.	N	July 11	41
Microtags help trace suspect in Baltimore bombing.	N	Oct 10	14
PCBs: Monsanto's GEI appears in Congressional hearings on PCBs.	N	Jan 31	36
Silicone sealants feature paintability, low odor.	N	Nov 21	15
Semiconductors: chemical market (table).	N	Nov 21	15
Test of superconducting generator component is called successful.	N	Nov 14	51
T. General Electric Co. Ltd.—Fisher controls Corp. of Delaware specializing in process controls and valves.	R	Mar 7	24
General Foods Corp.—Stovetop Sturfing: Potato Board ad sparks chemical-additive flap.	N	Sept 5	21
General Instrument—Monsanto's optoelectronic business to be purchased.	N	Feb 7	22
General Motors—Air Products-Degussa joint venture lands GM catalyst order.	N	Sept 5	18
Automotive emission-control catalysts research.	N	May 16	44
CPI will fuel Detroit's efficiency drive (table).	N	Sept 19	20
Articulate-control system.	N	Oct 24	38
Researcher Agnew thinks coal is hope for fuel for autos.	N	June 20	23

Zinc-nickel oxide (Zn/NiO ₂) battery: light, long-lasting	Oct 3 19	Gould Inc.—Battery business (chart & table)	Jan 10 14	Gruy Federal, Inc.—Geothermal well for East Coast will be drilled	Feb 7 36
General Public Utilities—Ion exchange system will treat radioactive waste at Three Mile Island	July 18 42	Gowan Co.—EPA bans most remaining uses of pesticide DBPC	Nov 7 14	Gualtney Co.—Nitrite-free bacon test-marketing starts	Mar 14 14
General Tire & Rubber—Allied and executive indicted on kickback charges by grand jury	Apr 25 24	Grace, W.R. & Co.—Agricultural Chemicals Group deputy group executive E. Harold Culp: This fertilizer exec works farmer's hours	Oct 17 96	Gulf + Western Industries—Auto batteries will get a test in storing electricity for utilities	Nov 28 34
Polyethylene tile for Skate On	Aug 22 42	Ammonia producers protest imports from Russia	July 18 24	Sherwin-Williams' stake to be increased	Feb 7 28
RKO General sees wage-price violation may be charged	July 4 20	Producers ready ITC positions	Aug 29 23	Sherwin-Williams and Uniroyal stock purchases are strictly for investment	Mar 21 45
Wallcoverings market	Mar 14 44	U.S. ammonia firms agree complaint to ITC	Sept 5 17	FTC probes G+W's stake in Sherwin-Williams	Apr 29 49
Genex Corp.—Recombinant-DNA technology studies	Sept 26 34	Berman Buckins, leather-goods retailer, to be acquired	Feb 21 17	Gulf Mineral Resources—SRC-1: Pittsburgh conference	Aug 8 35
Georgia Marble—Pigment-grade calcium carbonate for epoxy-based pavement marking	Sept 19 43	N China's door is open but it takes time to get in	Jan 24 32	Gulf Minerals Canada Ltd.—Uranium cartel suit	July 25 26
N Georgia-Pacific—Cabo Negro joint venture	May 9 13	Construction Products Division introduces DCI (Darex Corrosion Inhibitor) for adding to concrete	Aug 28 52	Gulf Oil Canada—Montreal refinery damaged by fire	Feb 21 26
Capital projects (4) worth \$200 million okayed	May 9 13	Coquilletta, Robert M.: Oil and chemicals. Era of peaceful coexistence?—report, Meyer Lurie (tables)	Oct 17 70	Petromont Inc. formed	Sept 5 69
Capital-spending program: \$220 million on eight capital projects	Aug 8 13	Darex Corrosion Inhibitor said to prevent bridge corrosion	July 4 39	Bonner discusses petrochemical growth prospects	Jan 24 14
Chilsen ethylene will be sold in United States	Aug 22 32	Davidson Chemical Div.: Catalysts report. Donald P. Burke Pt II: Who's who in catalysts	Apr 4 63	Ethylene: markets, capacity etc. (chart & table)	Oct 3 32
Chlorine-caustic outlook (charts & table)	Mar 14 30	Davidson Chemical Div. planning catalysts regeneration plant	Feb 21 53	Ethylene prices	Mar 14 24
Corporate headquarters' relocation	Aug 1 37	Davidson Chemical Division starts making low-density alumina spheres for automotive catalytic converters in a new plant in Curtis Bay, Md.	May 9 29	Expandable polystyrene facility for Channelview, Tex.; capacity boost at Marietta, O. plant	Dec 5 43
Ethanol made from wood sugar shipped	June 27 27	Daylin, Inc. advised of possible tender offer	Jan 10 13	Explosives industry forecast	Oct 24 29
Lumber companies are accelerating their buildup in pulp and paper (charts & table)	Aug 1 13	Daylin says "inadequate" to Grace offer	Jan 17 13	Gaides on polypropylene	May 23 15
PVC capacity at Plaquemine, La. complex to be upped	Aug 15 13	Grace makes sweetened counteroffer	Jan 31 13	Inventories: How some firms keep track of their supplies	June 13 13
Polyvinyl chloride expansion	Sept 5 17	Flexible packaging materials plants expansions	July 11 22	Polyalphaolefins plant at Cedar Bayou, Tex.	Oct 24 29
Geos Corp.—Poromeric grips for tennis rackets	Aug 22 43	Gasification switch to make gasoline at Henderson, Ky.	Sept 19 22	PAO unit in Texas will probably be built by Gulf as discussions for leasing facilities from Parsall Chemical are terminated	Jan 17 13
Gaffy Oil—Applies for entitlement to coal venture with Coastal States Energy	Sept 26 24	Letter	Nov 14 9	Polypropylene markets: capacity (table)	Oct 24 29
Methanol plant at its Delaware City, Del., refinery studied	Dec 19 17	Grace chairman says the U.S. is just entering the beginning of a recession that he expects will last six months	May 30 22	Polystyrene: mothballed expandable polystyrene (EPS) plant at Channelview, Tex. to be reassured	Dec 5 17
Uranium cartel suit	July 25 26	Jaquier discusses phosphate market	Aug 1 26	Rubber cement helps Nyad in record swim	Aug 29 27
Gillette of Canada—Praston discusses aerosol marketing at Canadian specialties meeting	Oct 31 34	Packaged foods business: withdrawal complete with sale of interest in Sarcia S.p.A. to Finbarilla S.p.A.	Aug 8 13	Thermal Regenerative Cracking (TRC) process that can make ethylene from resid to get pilot plant test	Oct 24 38
Gillette's Paper Mate Div.—Erasable ink to be offered in Eraser Mate Pen	Jan 31 43	N Phosphate-phosphoric acid markets (table)	Aug 1 26	Xylene prices	Feb 14 29
Givaudin—Italy: Seveso study blames Icmesa for dioxin disaster	Feb 14 13	Phosphate rock joint venture	Oct 3 13	Gulf Oil Corp.—Bartley, Richard M. and Charles E. O'Connell: Oil and chemicals. Era of peaceful coexistence?—report, Meyer Lurie (tables)	Oct 17 70
Morhange talcum powder case (1972): French criminal court begins to hear testimony	Oct 31 22	Relocation: grappling with the high cost of relocation	Nov 14 80	Cancer among refinery workers at Port Arthur, Tex. to be studied	July 11 18
Glidden Coatings and Resins—Paint warranty	Aug 1 36	Restructuring: company considering possibility of splitting up operations into a number of specialty chemical companies	Oct 10 18	Charcoal startup products: Gulf Lite fluid is leader	July 4 33
Global Marine Development—Chemical wastes to be burned at sea	July 11 20	Triggiani on innovation: Soaring construction, labor and equipment costs are hobbling innovation	Apr 4 39	Coal conversion: McAffee at Pittsburgh conference	Aug 8 32
Incinerating wastes at sea: Waste disposal by burning at sea (table)	Apr 11 44	University R&D contacts sought	Feb 21 38	COWPS grants price exemptions	June 20 22
Globe-Union—Battery business (chart & table)	Jan 10 14	Urethane foams groomed for prison mattresses, personal care items	Jan 3 42	General Crude's oil and gas operations to be bought from IP	Mar 14 13
Lead-acid batteries featured in GE's ETV-1 electric vehicle	July 4 39	Will Grace become a company dividend?	Dec 12 42	Tenneco and Southland Royalty make joint offer for General Crude; Mobil may bid	Mar 21 17
Good Hope Refining—MTBE capacity under construction	May 30 55	Grain Processing Corp.—Soy protein market	Apr 18 38	Mobil offer makes bidding for General Crude Oil go higher	Mar 28 17
Goodrich, B.F.—Chemical Group discontinuing sales of Telcar thermoplastic olefins	Dec 5 43	Supersorbents plant	July 18 40	Mobil's \$800 million bid wins N Apr 4-17	July 18 27
Chlorine-caustic outlook (charts & table)	Mar 14 30	Europe process to make hydrogen by steam reforming methanol	Oct 31 40	HDPE markets: producers, capacity etc. (table)	Sept 19 33
COWPS, Goodrich agree on compliance. Ethylene: markets, capacity etc. (chart & table)	Oct 3 19	Grayson Associates—Marketing seminar traces links between sectors and sex	Sept 12 53	In situ coal project: three ready to bid	Oct 31 22
Farbstein, Stanley B.: DOE's fuel rules costly, wasteful, complex—Other views	Oct 7 5	Great Balls of Fire—Charcoal starter market	July 4 34	King appraises Moorhead bid	July 18 21
Goodyear's PVC plant at Plaquemine, La. to be bought	Feb 14 9	Great Canadian Oil Sales—Crude oil sands plant expansion	Oct 17 21	LDPE capacity, markets (chart & table)	Nov 7 34
Iran will buy out foreign petrochemical interests	May 16 35	Heavy-oil recovery	June 13 24	MMT: threatened suits make refiners wary to MMT	June 13 21
Jointly owned sales company with Yokohama Rubber	June 27 27	Great Lakes Carbon—Grelcon joint-venture firm will make metal anodes	Mar 28 34	OCAW negotiations N Jan 3-13, R Jan 10-21	Jan 17 18
Labor contracts: countdown to rubber bargaining	Feb 14 33	Great Lakes Chemical—Sales and earnings up	Nov 7 41	Refinery projects (table)	Aug 29 20
Ong to replace Thomas as Goodrich chairman	June 27 24	Great Northern Paper Co.—Waste-burning cuts fuel consumption	July 11 25	SCR: proposal for demonstration unit submitted	Aug 8 31
Pollution-control business	Nov 7 52	Great Plains Coal Gasification Project—First commercial coal-gasification project in the U.S. approved by FERC in Beulah, N.D.	Nov 21 46	Texas terminal off Freeport takes a tentative step forward	Dec 5 17
PVC expansion plans unveiled N Aug 8-13	Sept 5 17	Great Salt Lake Minerals—Potash capacity	Aug 22 33	Uranium cartel suit	July 25 26
PVC resin plant near Tampico, Mexico	Nov 28 42	Green Bay Packaging Inc.—Co-generation project in Green Bay, Wis. hits snags	Aug 15 19	Gulf Research and Development—Gasification: in situ gasification of coal in steep seams	Sept 19 43
Tax charges: company pleads no contest	Jan 24 17	Greenstone Assurance—Captive insurance companies	Oct 3 41	Gulf Science and Technology—Coal gasification in steep seam: project moves forward	Oct 24 24
Tire makers face flat sales in the 1980s (chart & table)	May 30 16	Grelcon—Joint-venture firm will make metal anodes	Mar 28 34	Gulf South Research Institute—NCI bioassay shows toxaphene is carcinogenic	Mar 14 37
Tremco stock purchase complete	Oct 3 13	Grimm, W.T. & Co.—Merger activity reports N Feb 21-17	July 18 17	Gulf States Utilities—Feasibility of making gas from heavy-oil residue is subject of study	Nov 7 47
URW reaches settlement	June 27 23	Merger announcement: foreign investments in the U.S.	May 30 65		
Wage-price violation may be charged	July 4 20	Grow Chemical—Corporate home is Manhattan's Pan Am Building	Feb 7 28		
Goodyear Aerospace—Centrifuges for DOE's uranium enrichment program	Aug 22 36	COWPS' Kahn's criticism angers CPI executives	Apr 4 31		
Drighlites: Goodyear's Enterprise replaces Mayflower, destroyed in Iowa windstorm in July	Nov 28 46	Enviro-spray system	May 23 33		
Goodyear Chemicals—Bottle resin market will more than double this year	Jan 17 35	Trex Co. stock to be bought	Jan 10 21		
Goodyear Tire & Rubber Co.—Devulcanizing rubber by using microwave energy	May 23 35	R Grow Group—Corporate headquarters' relocation	Aug 1 37		
Goodrich to purchase PVC plant at Plaquemine, La.	Feb 14 9	Prufcoat Div.: Coatings for bridges	Aug 29 53		
Labor contracts: countdown to rubber bargaining	Feb 14 33	Grumman Aerospace—Oak Ridge awards contracts for bumpy torus fusion devices called the ELMO Bumpy Torus (EBT)	Aug 29 43		
Radial truck-tire capacity boost at Danville, Va. plant	Oct 24 13				
Sole materials	May 16 41				
Structural urethane adhesive	Mar 21 39				
Tire makers face flat sales in the 1980s (chart & table)	May 30 16				
URW settlement seen near	June 27 23				
Wage-price violation may be charged	July 4 20				
Gordon Service Co.—Waste cleanup costs	May 2 16				

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HOP Corp.—Steam technique promises more efficient heavy-oil recovery	July 25 45
Haarmann & Reimer—American market for perfume oils, aroma chemicals and flavor substances: new compounding plant at Branchburg, N.J.	June 20 42
Menthon market	Nov 14 49
Method of synthesizing 15-pentadecanide will be commercialized: new route to musk ingredient	Oct 3 46
Habonaria-Wilson — Sulfonation plant package	Feb 28 49

Haifa Chemicals-Esmark acquisition: talks stalled	Feb 21	48	Sells U.S. pigments business to Ciba-Geigy	Aug 15	24	Michigan's discovery of dioxin at Montague could impede accord on Hooker wastes	June 6	18
Halcon Catalyst Industries-Catalysts report. Donald P. Burke Pt II: Who's who in catalysts	Apr 4	63	Solvay et Cie. joint venture to commercialize polyolefin pulps	Feb 21	26	Michigan state OK's plan to stop Montague leaks	June 20	25
Halcon International-Malpas, Robert, president and chief executive officer: Ex-rugby star wants to be where action is	Jan 31	52	Stover on polypropylene	Oct 24	29	Hooker begins renovation of Niagara Falls plant	June 27	34
Malpas and Landau at Society of Chemical Industry symposium	Oct 10	19	Swedish plant for a new superabsorbent. Technology for Philippines petrochemical project	Nov 7	13	Hooker tells its side of the story	June 27	34
Oxirane Chemicals-Chemview, Tex., ethylene glycol operations to shut down	Dec 5	17	2,4,5-T: Class action suit filed over herbicide exposure on behalf of Vietnam veterans and others	Jan 17	21	EPA updates its list of hazardous waste sites	July 18	23
Haldor Topsoe-ACHEMA 1979. Adds to U.S. staff for ammonia and methanol business	Nov 14	51	Another suit filed	Feb 14	18	New York state brings dumping charges of violations at Hicksville, N.Y.	Sept 12	25
Catalysts report. Donald P. Burke Pt II: Who's who in catalysts	Apr 4	64	More suits	Feb 28	18	Michigan DNR nears accord with Hooker over Montague, Mich. facility	Oct 10	20
Halliburton-Drilling-mud business	Feb 28	26	Wood replaces oil	June 20	20	Hooker sued again over Love Canal dump site	Oct 10	20
Hamerley Iron Ltd.-Australian strikes may curb Japan's steel output	July 25	36	Hewlett-Packard-Liquid chromatography	Mar 14	39	Letter	Nov 7	8
Hamilton Brothers Petroleum-Canadian oil and gas-producing properties interest to be sold to Carter Oil and Gas. R. Santa Barbara offshore oil leases bid	July 18	27	Heyward-Robinson-Contractor for Venezuelan alumina plant	Oct 24	31	Sierra Club may stall Hooker waste cleanup	Oct 31	22
Hammer, Siler, George Associates-Tenn-Tom study	Apr 18	35	High Voltage Engineering-Pulse energization puts new life into electrostatic precipitators	July 4	40	Michigan warns against eating fish from White Lake near Montague plant	Oct 31	23
Hanson Industries Inc.-Merger proposal made to Barber Oil Corp.	Sept 26	13	Hill & Knowlton-Foreign firms' identity problems	May 30	65	Hooker to clean up plant site	Nov 7	20
Harrisons & Crossfield Limited-PPG's chrome chemicals unit to be bought	May 23	13	Hindustan Fertilizer-Ammonia-urea capacity buildup	May 30	28	About 800 lawsuits have been filed over Love Canal contamination	Nov 7	25
Harsco Corp.-PVC pipe business bought from Ethyl	Oct 24	13	Hitachi Chemical-Sales and profits up sharply (table)	Nov 21	33	Love Canal: wrangle over insurance	Dec 12	24
Harshaw Chemical-Antimony oxide prices N Feb 7-30	Jan 10	13	Hitachi Zosen-Mechanical pulping process to make newsprint from bagasse is available	Aug 1	27	Houston, Colin A. & Associates-Carwash chemicals	May 9	36
Catalysts report. Donald P. Burke Pt II: Who's who in catalysts	Apr 4	64	Hoechst AG-Ad campaign to make itself better known in the U.S.	May 30	65	Oil-field chemicals discussed by Houston at CMRA meeting	Feb 21	40
Hydrofluoric acid prices	Oct 17	54	Genetic-engineering research results German CPI regains some vigor	June 27	32	Oil-field specialties boom	Feb 21	40
Hart, Fred C. Associates-Waste sites report	May 2	16	McQueen (charts & tables)	June 20	47	Study "Surfactants in North America to 1987"	Nov 7	40
Clarification	May 16	28	Iran: Trying to cope with chaos in Iran	Jan 10	31	Houston Natural Gas-Talking with Persian Gulf producers with a view to making up an expected shortfall in domestic natural gas	Nov 7	13
Harte & Co.-Diamond Shamrock to sell Harte to Dynamit Nobel	Nov 14	17	Lanz discusses inventories	Oct 3	17	Howmet Aluminum Corp.-Aluminum markets (charts & tables)	Jan 31	29
Hartford Insurance Group-Hooker in courts with insurers over coverage for Love Canal	Dec 12	24	Polyester fiber prices	Dec 19	69	Rockwell, Tex. plant under recycled materials only	Nov 21	24
Hashim, Abdullah Establishments-Cardi moves into industrial-gas venture	Jan 17	13	Polyolefin markets	June 13	38	Howmet Turbine Components-Dow-Howmet Turbines to scale up electrolytic route to titanium sponge	May 16	43
Haven Chemical-Technology: Unilever acquisition	Oct 17	25	Sales and earnings '78	Mar 26	25	Hudson Bay Oil and Gas-Texasgulf sulfur recovery unit at Whitecourt, Alberta to be bought	Jan 17	22
Hector Chemical-Puerto Rico-report. Meyer Lurie (charts & tables)	Apr 11	56	Nine-months '79	Dec 5	51	Hughson Chemicals-Modified-acrylic engineering adhesives	Mar 21	40
Heidrick and Struggl-Executive hiring report	Jan 10	32	Single-cell protein market	Aug 1	28	Hull & Co.-Catalysts study	Feb 7	35
Executives Index	Jan 18	36	Hoechst Australia Ltd.-Australian CPI buildup	Feb 28	52	Ink industry study by T. J. Allen	Feb 28	58
Helene Curtis-Shampoo containing jobo-ba oil	Feb 7	32	Hoffman-La Roche Inc.-Acne drug, 13-cis-retinoic acid: NCI researcher: report success	Feb 21	18	Humphreys & Glasgow-Iranian fertilizer contracts terminated	May 16	35
Helium Breeder Associates-GCR breeder design promises reactor safety	June 20	56	Drug-regulation reform proposals draw praise	Mar 28	18	Hunt Chemical-Semiconductors: chemical market (table)	Nov 21	15
Hellenic Industrial and Mining Investment Co.-Ethyl-biochemical petrochemical complex near Missolonghi N June 27-36	July 18	39	Foreign-owned firms looking at U.S. image	May 30	66	Husky Industries-Cookout market boosts sales of charcoal, startup products	July 4	33
Hempel's Marine Paints-Marine-coatings market	July 25	42	Gas woes fuel car pool drive	July 18	36	Husky Oil Ltd.-Heavy-oil recovery	June 13	24
Henkel Corp.-Carlson, Donald W., president: Short-wave enthusiast tunes in on big markets	Sept 19	60	Genetic-engineering research	June 27	32	Hutton, E.F. Group-Partnership formed to buy Amex Food Products	June 20	17
German CPI regains some vigor. Silke McQueen (charts & tables)	June 20	47	Givaudin sees under name	May 16	33	Seminar: DNA is on the way to chemicals	Sept 26	34
Superabsorbents plant	July 18	40	Heer discusses drug price controls	May 23	19	Hydro-Quebec-Electric power deal with CIL	Oct 10	41
Henkel K.G.a.A.-Negotiating with Union Carbide to buy Amchem Products, Inc.	Nov 7	25	Sax-bias settlement	Sept 19	27	IMS International Inc.-IMS-PR1 search brings inventors and marketers together	July 11	41
Hercofina-Methanol plant in Plaquemine, La. to be sold	May 9	21	Valium promotional campaign criticized	Mar 21	39	Iberduero-Spanish CPI faces production cutbacks to help reduce pollution	Oct 10	41
Hercules Inc.-Advisory council established	Sept 26	13	Holappa, H.S. & Associates-Engineering adhesives market	Sept 26	24	Icmesa-Italy: Seveso study blames Icmesa for dioxin disaster	Oct 14	13
Agreement with Amatei to form new company for the production of magnetic iron oxides in Japan	July 4	22	Holly Sugar-DOE considers entitlements	Mar 21	39	Seveso cleanup still not solved	July 18	23
Air travel: How firms spread the risk of air travel	June 13	45	Holter GmbH-Lime-based flue-gas desulfurization system	Sept 26	24	Seveso contamination studied in three deaths	Sept 26	20
Annual meeting: sales surge during first quarter	Mar 28	24	Homestake Mining Co.-Uranium cartel suit	Apr 25	48	Ideal-Basics' Cement Division-Cement demand	Mar 14	16
Bewley, Jr. comments on the recession	Sept 12	16	Hooker Chemical Co.-Ammonia dumping charged against Russia: producers ready ITC positions	July 25	26	Illinois Coal Gasification Group-Gasification project in Illinois gets DOE go-ahead	Feb 7	35
Brunswick, Ga. facility to make Magnox high-performance magnetic iron oxides	Apr 25	25	Baeder, Donald Lee, president: Occidental made him an offer he couldn't refuse	Aug 29	23	Imperial Chemical Industries-Antimisting agent FM-9	Mar 21	38
Cogenation unit at polypropylene plant at Lake Charles, La.	June 20	20	Caustic soda prices	June 27	56	Antimisting agent for jet fuels passes early tests	June 20	56
Corporate headquarters relocation	Aug 1	37	Chlor-alkali product prices	Nov 28	40	British CPI braces for Thatcher's impact. Tim Keeley (charts)	Oct 24	32
Explosives industry forecast	Aug 22	17	Chlorine-caustic outlook (charts & table)	Mar 14	30	DuPont charges infringement of polymer patents	July 4	22
Financial report to N.Y. analysts by Giacco	Feb 21	22	Durez Div.: phenol-formaldehyde resin prices	Feb 14	30	DuPont signs PET deal over Montague	Jan 10	13
Giacco, Alexander F.: Oil and chemicals. Era of peaceful coexistence? report	Oct 17	70	Hydrochloric acid prices	Apr 4	29	Employees are holding out for a hefty pay increase	Aug 8	25
Graphite fibers production boost	Mar 7	22	Name may be changed	Nov 14	42	Employees reject union leaders' advice, accept company offer	Oct 15	29
Hercules a year ahead on earnings goals	Dec 5	24	Oxy looks to Merszel to revive profits of Hooker Chemical	May 30	18	Feedstock supplies	Aug 17	69
HDPE markets: producers, capacity etc. (table)	Sept 19	33	Phenol prices	Mar 21	32	Goett, Edward J.: Oil and chemicals. Era of peaceful coexistence? report	Oct 17	70
Joint-venture polypropylene plant in Taiwan to be opened	Aug 1	18	PVC plants meeting EPA standards are losing capacity	Mar 28	36	Hodgson at Society of Chemical Industry symposium	Oct 10	19
Leahy discusses inventories	Oct 3	17	Process Chemicals Division thionyl chloride plant at Taft, La.	May 9	21	Marine-coatings market	July 25	42
Lestar see under name	Nov 7	52	Public relations campaign to improve its public image planned	June 6	18	Methanol prices	Sept 26	53
Pollution-control business	Nov 7	52	Sipes discusses inventories	Oct 3	16	Naphtha prices	May 23	30
Polypropylene: addition to biaxially oriented polypropylene film plant under construction at Terre Haute, Ind.	Nov 7	13	Sodium chlorate prices	Aug 8	23	Petrochemical products prices boosted to offset naphtha costs	Jan 17	32
Polypropylene fiber plant at Oxford, Ga. planned	May 9	13	Sulfuryl chloride prices	Nov 14	23	Plan to improve productivity will reduce staff	May 9	40
Polypropylene fiber unit in Oxford, Ga.-groundbreaking	Aug 22	13	Tacoma, Wash. Ammonia plant explosion: air leak probable cause	Nov 14	23	Polyolefin markets	June 13	38
Polypropylene markets: capacity (table)	Oct 24	29	Waste disposal	Jan 3	16	Pyrithroids	Jan 17	42
Polypropylene prices N Mar 14-24	Sept 5	65	Dumpsites may pose dioxin threat	Jan 10	19	Sales and earnings '78	Dec 5	51
			Hooker faces suit over Montague, Mich. waste site	Jan 17	22	Nine-months '79	Aug 1	28
			New York expands dumpsite study	Feb 7	22	Single-cell protein market	May 2	23
			Niagara, N.Y. files suit in connection with Hyde Park landfill	Feb 28	20	Truck strike hurting CPI sales Jan 24-15	Jan 31	31
			Michigan sues Hooker over waste cleanup	Mar 7	20	Strike ends, but problems linger	Feb 21	48
			Michigan sues again	Mar 21	25			
			Hooker to phase out landfill waste disposal	Mar 28	23			
			House committee hears testimony on hazardous Niagara Falls dumps	Apr 4	23			
			Cleanup of hazardous waste-disposal sites outlined	Apr 18	18			
			Memos show Hooker knew of hazards at former Love Canal site; countersuit in Michigan	Apr 25	23			
			Still more hassles for Hooker	May 2	23			
			-Correction	May 2	16			
			Justice may file suit	May 2	23			
			Dioxin found in Lake Ontario fish	May 23	18			
			Montague, Mich. plant water pollution study: data to be given to House subpanel					

ICI Americas-Ambush, synthetic pyrethroid	Oct 10	36	Gulf will buy General Crude's oil and gas operation from IP	Mar 14	13	KAO Soap Co.-Colgate-Palmolive's interest in Helene Rubinstein to be bought	Apr 18	21
Barnett, Robert P., new president	Nov 21	18	Tenneco and Southland Royalty make joint offer for General Crude; Mobil may bid	Mar 21	17	Fatty acids plant at Barcelona, Spain	Aug 15	24
Biocides prices	Sept 5	65	Mobil offer makes bidding for General Crude Oil go higher	Mar 28	17	KW Battery Co.-Battery business (chart & table)	Jan 10	14
Chlorine-caustic outlook (charts & table)	Mar 14	30	Mobil's \$800 million bid wins N Apr 4-17	July 18	27	Kaiser Aluminum & Chemical Corp.-Affirmative action plan backed by Supreme Court as Weber loses reverse-discrimination case	July 4	21
Ethylene derivatives plant at Bayport, Tex.	June 6	22	Panama City, Fla. complex to be sold to Southwest Forest Industries	Jan 31	13	Aluminum markets (charts & table)	Jan 31	29
Contract to Brown and Root	Aug 15	24	International Rectifier Corp.-Doxycline importers backed by Justice Dept. in dispute with Pfizer	Feb 14	23	Aluminum operations in Europe will be combined with Estel	July 25	13
Hydrophilic finish for polyester	Feb 7	26	International Research Establishment-Uranium-enrichment technique called the Haga process; inventor Gazda claims new process cuts cost of nuclear fuel by 90% (diagram)	May 16	43	Chlorine-caustic outlook (charts & table)	Mar 14	30
Negotiations for an extension of Robinson shares terminated	Sept 5	13	International Surplus Lines Insurance-Hooker in courts with insurers over coverage for Lone Canal	Sept 5	73	Corporate-issues commercials: Kaiser takes issue with television networks on corporate-issues ads	June 27	24
Polymer research laboratory in West Deptford, N.H.	May 16	28	ITT Rayonier-Future of rayon	Dec 12	24	FTC orders Kaiser to divest two refinery plants bought in 1974	June 13	14
Stuart Pharmaceuticals plant, at Newark, N.J., expansion	Sept 5	23	Interox America-Hydrogen peroxide unit at Deer Park Tex. (table)	June 6	28	Modernization of Tacoma, Wash. and Chalmette, La. plant planned	Aug 1	9
ICI Australia Operations-Ammonium nitrate know-how seeks new job	Jan 31	36	Interox Chemicals Ltd.-Persulfate price fixing suit; consent decrees offered	Dec 12	33	Potash capacity (table)	Aug 22	33
Australian CPI buildup	Feb 28	52	Interpolat Corp.-Phillips' petroleum makes acquisition offer	Feb 28	18	Refinery revamp at Baton Rouge, La. shelved	Oct 17	17
Botany petrochemical complex at Sydney to be expanded; chlor-alkali facility planned at Point Wilson	Feb 14	43	Ionics, Inc.-Chemical analyses introduced at ISA show	Nov 7	13	Work-study program for students in Oakland, Calif.	June 13	45
Polypropylene plant near Sydney	July 18	38	Iran-Japan Petrochemical Co.-Japanese approve financing plan to help complete construction of complex at Bandar Khomeini	Oct 31	47	Kaiser Cement Corp.-Lucerne Valley cement facility expansion and modernization	Nov 7	25
ICI Fibers-Polyester fiber prices	Jan 17	32	Iran-Nippon Petrochemical for Malaysia petroleum buys Japanese interest	Oct 24	31	Kaiser Engineers' Energy Sources Division-Ware discusses synfuels	July 18	20
ICI Petrochemicals-BP to buy ICI's unsaturated polyester resin plant at Wilton	June 6	30	Ireco Chemicals-Explosives industry forecast	Sept 12	42	Kaiser-Estel Aluminum-Kaiser and Estel plan a European combination of aluminum operations	July 25	13
Inco Limited-Batteries business (chart & table)	Jan 10	14	Isocianatos do Brasil-Brazil's Camacari complex (table)	Aug 22	17	Kalichemie-Catalyst regeneration plant planned	Feb 21	53
Indium Corp. of America-Semiconductors: chemical market (table)	Nov 21	15	Israel Chemicals-Ramat Hovav complex	May 23	26	Kalium Chemicals-Potash capacity (table)	Aug 22	33
Idupa-PVC plant	Apr 11	54	Teamin, Eliah, managing director: He decided it was time he had a new challenge	Aug 1	31	Kanebo Ltd.-Polyester-chip plant for China	Jan 10	39
Industrial Bio-Tech Laboratories-Neillsville, Wis., facility to be sold to Wedge's Creek Research Laboratories	June 20	17	Timna copper mines will be reactivated	June 20	66	Kanegafuchi Chemical-Sales and profits up sharply (table)	Nov 21	33
Syntex nears naproxen lawsuit settlements	Feb 28	22	Itoh, C.-Chinese contracts (table)	Dec 12	56	Kashima Ammonia-Ammonia/urea cutbacks continue	June 20	46
Industrial Chemical-Sulfonation plant package	Feb 28	49	Petrochemical plant for China	Jan 17	20	Katalco-Catalysts report. Donald P. Burke Pt. II: Who's who in catalysts	Apr 4	64
Industrial Quinides de Zangue equipment	Oct 10	40		Jan 10	39	Kawasaki-Japanese study links glass-fiber dust and lung disease	Jan 3	18
CPI faces production cutbacks to help reduce pollution	Jan 10	42				Kawacki Beryllium Industries-Semiconductors: chemical market (table)	Nov 21	15
Informatek-Rhone-Poulenc finding jobs for workers it laid off	Mar 28	35				Kellogg Continental B.V.-Chinese contracts (table)	Jan 17	20
Inframetrics-Infrared scanning equipment	Mar 28	35				Kelso & Co.-Kelso, Louis O.: there's a need for more capitalists	Mar 7	47
Infrared Survey-Heating equipment	Mar 28	35				KemaNobel-Cooperation pact is signed by KemaNobel and Norsk Hydro	June 20	45
Inland Steel-Lime markets (chart)	Apr 11	31				KemaNord-Ammonium nitrate know-how seeks new job	Jan 31	36
Inmar Associates Inc.-Kin Buc landfill in Edison, N.J.: Justice, EPA sue under RCRA	Feb 14	13				KemiKontoret-Swedish companies face tough times if nuclear power plants are closed	Oct 24	31
Inso Ltd.-Captive insurance companies	Oct 3	41				Kennecott Copper-Copper prices	Jan 17	36
Inso-Fermentation know-how for gasohol	Oct 31	45				Financial report to Salt Lake City analysts by Barrow	Feb 21	22
Inspiration Consolidated Copper-Atlantic Richfield, FTC move to settle review of Anasconda merger	Mar 14	13				Wright discusses seabed mining at AAAS meeting	Jan 17	29
N Institute of Gas Technology-Proposes hefty synfuel plant program (table)	Sept 12	19				Kennedy Tank-Steel, plastics bid for storage tank sales	Sept 19	52
Instituto G. Doragnani S.P.A.-Colombo, Ezio, chairman: He aims to cash in on Montedison's technology	May 2	72				Kennedy van Saun Co.-Rotary kilns	Apr 11	31
Interamericana de Alumina-Venezuelan alumina plant permitted for 1982	Oct 24	31				Kernforschungsanlage Jülich-Reactor know-how to be traded with Japan Atomic Research Institute	Feb 21	37
IBM-Laser probe permits analysis of chemical reactions as they occur	June 20	56				Kerr-McGee Corp.-Expansion plans outlined by Dean A. McGee before N.Y. security analysts	Feb 7	21
Material, poly-p-(N,N-dimethylamino)-N-gamma-D-glutaminate, expands under ultraviolet light	Jan 10	33				Potash capacity (table)	Aug 22	33
Ribbons of single-crystal silicon	July 11	31				Refinery projects (table)	Aug 29	20
International Commodities Export Company-Finley discusses phosphate market	Aug 1	25				Silkwood damage suit: Testimony begins	Mar 21	24
International Drug Co.-Nylon, neoprene, rugated-board drums, Dura-Drum, gain foothold in chemical markets	Jan 10	29				Silkwood case decision to be appealed	May 30	20
International Minerals & Chemicals-Acquires Carver Foundry Products	Nov 14	42				Kerr-McGee told to pay Silkwood family	Aug 29	24
Air travel: How firms spread the risk of air travel	June 13	45				Uranium cartel suit	July 25	26
Altemia Chemicals Inc.-Chlorine-caustic outlook (charts & table)	Mar 14	30				Kerr-McGee Nuclear Corp.-Cooperative backfilling study	Feb 28	21
Coastal sues over Florida phosphate land buys	Feb 7	21				New Mines Division now has a chemical mining department	Jan 10	21
Corporate headquarters' relocation	Aug 1	37				Uranium wastes being tested as fertilizer for cattle feed	Oct 24	43
Export markets for phosphates	Aug 1	25				Letter	Nov 7	8
Foresees 10% growth in earnings in fiscal 1980	Sept 12	13				Kettering, Charles F. Research Laboratory-Nitrogen fertilizer produced by solar power	Aug 8	31
Hercofine methanol plant in Plaquemine, La. to be bought	May 9	21				Key Oils and Lubricants-Jobba as an auto lubricant	Feb 7	32
Midwest blizzard delays shipments	Jan 24	37				Khar Chemical-Iranian crisis	Nov 21	17
Phosphate-phosphoric acid markets (table)	Aug 1	26				Kin-Buc Inc.-Kin Buc landfill in Edison, N.J.: Justice, EPA sue under RCRA	May 2	15
Potash capacity (table)	Oct 3	13				Feb 14-13		
Relocation: grappling with the high cost of relocation	Nov 14	80				Kirby Pharmaceuticals, Ltd.-Purchased by Schering-Plough	July 11	22
Sixes \$400-million capacity expansion for phos-rock and chemicals	Aug 22	13				Kirk Chemical-Nippon polish business	Aug 8	41
Trojan Division: Explosives industry forecast	Aug 22	17				Kline, Charles H.-Cosmetic and toiletries market study	Apr 18	21
Uranium from phosphoric acid: joint venture	Oct 10	42				Koch Light Labs-Semiconductors: Chemical market (table)	Nov 21	15
International Oil Co.-Refinery in Friendswood Development's Bayport Industrial Park, near Houston: Citizens groups will try to block Texas refinery	July 18	26				Koel Perfumery Co.-Jobba oil in cosmetics	Feb 7	32
International Paint Co. Ltd.-Self-polishing antifouling coating applied to Queen Elizabeth 2	July 25	42				Kohlberg, Kravis, Roberts & Co.-Foremost-McKesson receives acquisition proposal from a private investment group now forming, which would include members of Foremost-McKesson management	Oct 24	21
International Paper Co.-Bodacw acquisition offer	May 16	28				Komline-Sanderson Engineering-Flotation equipment	Jan 24	39
Weyerhaeuser offer	May 16	28						
Bodacw pushes IP merger offer to stockholders	July 18	17						
Weyerhaeuser sweetens its offer	Aug 1	9						
IP's bid for Bodacw succeeds	Aug 15	13						
Container-board complex to be built at Mansfield, La.	Mar 21	17						

Konist Glass Co.—Thin-layer chromatography conference	Feb 14	41
Koor Chemicals—Ramat Hovav complex	Aug 1	31
Koppers Corp.—Isomer of HOEE—a meta, resorcinol structure dubbed HER	June 13	48
Maleic and phthalic anhydride prices	N Jan 3-40, N Mar 21-32, N Mar 28-28	
Mayester prices	May 2	49
N Korn/Ferry International—Executive hiring report Jan 10-32	R Apr 4	26
National Index of Executive Vacancies	July 18	38
Relocation cost study	Nov 14	80
"Street-smart" axes in demand	Dec 5	87
Kosho Corp.—Petrochemical plant for China	N Jan 10	39
Kraft—Fabricated food market	Apr 18	39
Krauss Maffei—Equipment for liquids-solid separation and drying	Nov 14	66
Krazy Glue—Cyanocrylate adhesives	Apr 25	54
Krupp-Koppers—Brazilian ammonia-from-coal project	N Mar 21	38
Kuraray—Sales and profits up sharply (table)	Nov 21	33
Kureha Chemical—Sales and profits up sharply (table)	Nov 21	33
Kurfs Coatings, Inc.—Kurfes at NP & Kurfes discusses waste disposal	N Nov 7	40
Kyodo Oil—Naphtha price agreement	N May 30	27
Kyowa Gas Chemical—Japan-Saudi methanol unit gets new investors	Nov 21	28
Kyowa Hakko Kogyo—Sales & earnings 1978	Mar 7	33

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Laporte Industries—Interox America see under name		
Persulfate prices fixing suit: consent decree offered	Feb 28	18
Laskin Greenhouse—Cleveland suit charges oiling roads with PCB-containing waste oil and burning similar waste in boilers at greenhouse	May 2	16
Lawrence Livermore Laboratory—California controversy imperils research at two federally-funded labs	Dec 19	73
In situ gasification experiments	Sept 19	43
Lead Industries Group, Ltd.—NL Industries' plants (4) purchased Aug 22-19	Oct 24	13
Leas-Siegler Industries—COWPS grants price exemptions	June 20	22
Lederle Laboratories—Integrated data system: one firm's experience	Oct 10	48
Lehman Brothers Kuhn Loeb—Brown at API meeting	Mar 21	22
Lohn & Fink—Love My Carpet: carpet-freshener market	Nov 28	46
Leland Chemical—Unilever acquisition	Oct 17	25
Lemco Inc.—Cyanamide closes deal for disposal of sulfate waste from TiO ₂ processing	Aug 29	43
Lextar—Polyolefin pulp plant slated for Deer Park, Tex.	Dec 12	17
N Libbey-Owens-Ford—Glass-making plants can use either oil or gas for boiler fuel	June 20	21
Libyan National Oil Corp.—Occidental Petroleum and Libya agree to settle differences	Jan 24	17
N Life Science Products—Keopne plant owners ordered to pay \$16,500	Feb 14	14
Life Sciences Inc.—Plans to market interferon	Dec 19	24
Lifetime Fiberglass—Steel, plastics bid for storage tank sales	Sept 19	52
Lilly, Eli & Son—Anti-tuberc drug may have value against common cold	Dec 5	66
N Cephalon: lawsuits charge patent infringement	July 18	27
N Lilly granted injunction against Premo and Federal in patent case	July 25	24
N DES: Jury awards damages in DES case	July 25	21
DNA		
Recombinant-DNA research	June 27	32
NIH may soon relax DNA guidelines	Sept 19	22
Herbicide Oryzalin: ICWU seeks ban	Nov 14	28
Ilosone ban: Lilly fights FDA	Sept 12	20
Insulin: Lilly agrees to give royalty-free licenses on insulin patents and associated know-how	Sept 26	18
Linden Chemicals & Plastics—Chlorine-caustic outlook (charts & table)	Mar 14	30
Line Tamer, Inc.—Wrinkle smoothers	Jan 10	45
Liquichimica—Italian government supports recovery plans	Aug 22	35
N Italy's chemical trade deficit has doubled	Sept 12	41
N No progress in bailing out Italian companies	Dec 5	51
N Plant managers sentenced to prison for violation of Italy's water-pollution law	Nov 21	28
N Unions set for strikes, plant seizures	Mar 14	40
Liquid Carbonic Corp.—Expansion of its Augusta, Ga., by-product carbon dioxide plant	Dec 12	28
R Liquid Processors, Inc.—Air-pollution permit for liquid waste incinerator at Valley of the Drums' asked	May 9	19
Liquigas—Creditors seek repayment plan as CPI losses exceed \$1 billion (table)	Jan 31	32
Little, Arthur D. Inc.—EPA premanufacturing notice forms: study on cost of completion	Oct 17	18
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Fibers study done for Cotton Inc. indicates rising oil prices will erase polyester's price advantage over cotton by 1985	Aug 15	17
Du Pont disputes fibers study	Sept 5	18
Hayeman at CCPA meeting	June 20	25
Mueller, Robert K., member of Hercules' advisory council	N Sept 26	13
N Sales of specialty chemicals for wastewater and water treatment	Nov 7	52
Lockton Bionetics—Tests on formaldehyde	Nov 28	36
Lockheed Chemicals—Liquid-hydrogen-fueled experimental airline proposed	Sept 19	17
Lockheed Missiles & Space Co.—Du Pont's Kevlar will be used on Army RPVS	Sept 12	20
Hawaiian demonstration plant converts ocean's heat energy into electricity	Sept 12	48
N Ocean Thermal Energy Conversion (OTEC) studies	Dec 5	67
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Cyanocrylate adhesives	Apr 25	54
Growth plan: sticking to specialties	June 13	19
Lonza Inc.—Augenbraun details SACI survey	Mar 28	31
Los Alamos Scientific Laboratory—Benzene gloves defective, report finds	Oct 31	20
California controversy imperils research at two federally-funded labs	Dec 19	73
Lotepro—ACHEMA 1979	July 4	44
Louisville & Nashville RR—FRA orders railroad to lower speed of all trains carrying hazardous materials	Feb 14	18
N Tank cars containing propane derail south of Molino, Fla.	Nov 21	20
Train derailment near Crestview, Fla. causes evacuation	Apr 18	18
Lubrizol Corp.—Fuel-economy oils	Dec 12	39
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N Lucidol—Polymerization catalysts prices	Nov 7	28
N Ludlow Corp.—Two laboratories take over proposal opposed	Feb 21	17
N Lummus Co. Canada Ltd.—Contractor for Eldorado uranium refinery in Ontario	Aug 22	30
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N Meas & Waldstein's Durlin Division—Nail polish business	Aug 8	41
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N Ferroalloys plant in Charleston, S.C. bought	July 25	24
Magma Power—Geothermal plant will be built near Niland, Cal.	Jan 17	27
N Malaysia LNG Sandirian Berhad—Liquefaction plant and loading facilities	Dec 5	52
Mallickrodt Inc.—Bentley, Raymond F., new president, picked from within	Jan 3	20
His eye is on target when hunting game—or profits	Feb 7	48
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N Radioactive drugs missing: sought by NRC	Aug 15	18
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Thayer and Bentley comment on the recession	Sept 12	16
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N Malmgren Inc.—Malmgren at CCPA meeting	June 20	25
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Mapco Inc.—Chem-Nuclear Systems acquisition terms	Feb 28	21
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N Martin, Daniel (Co.)—"The stately homes of England" in miniature, replicas done in acrylic moulding clay	Sept 19	55
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N Aluminum markets (charts & table)	Jan 31	29
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N Massachusetts Engineering—Steel, plastics bid for storage tank sales	Sept 19	52
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McDonnell Astronautics Co.—Solar-powered primary reformer for ammonia plant operated by Valley Nitrogen Producers, Inc.	Sept 12	27
McDonnell Douglas—Oak Ridge awards contracts for bumpy torus fusion devices called the ELMO Bumpy Torus (EBT)	Aug 29	43
McDowell-Wellman—Stelmaking process uses aluminum wastes	N Feb 28	48
McFarlane, Norris B. (Co.)—Aircro's Ferroalloys division units to be bought	N Jan 24	9
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Escanaba, Mich., paper complex expansion planned	N Nov 14	17
Fuel oil use reduced	N June 20	21
Occidental's takeover bid for Mead: How Mead dodged Oxy's "bearhug"	Mar 14	32
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N Assassination in Tehran of Hans-Joachim Leib: Merck recalling its three remaining German staff members from Tehran	Oct 24	31
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Midwest Solvents Corp.—Enzyme-based processes improve fermentation yields	Aug 8	42
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Niles Laboratories—Enzyme Products, fabricated food market	Apr 18	39
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Milton Roy—Materials for soft contact lenses	Oct 3	38
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Mitsubishi Chemical—Iran-Nippon Petrochemical holdings sold to National Petroleum Co.	N Sept 12	42
N Iran will buy out foreign petrochemical interests	N May 16	35
N Naphtha price agreement	N May 30	27
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N Japanese utilities bid for LNG output from Malaysian project	N June 6	30
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Neches Butane-MTBE plant planned	May 9	39
Niederlande Stikstof Maatschappij-Norsk Hydro acquires NSM to strengthen fertilizer position	Aug 1	31
Negev Phosphates-Phosphate rock expansion	May 16	42
Nelson-T.S.R. Shoe Corp.-Shoe repair materials	Oct 17	69
Neste Oy-MTBE unit at Porvoo	Nov 28	18
New England Power Co.-EPA okays switch from oil to coal at Brayton Point power plant	Dec 19	12
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New Jersey Zinc-Zinc prices	Aug 15	35
Zinc oxide prices	Dec 12	22
Newco Chemical Waste Systems of Ohio-EPA approves liquid PCB disposal sites	Apr 18	21
Waste sites: company pleads not guilty to violations of storing toxic wastes	June 13	18
N.Y. hearings open on bid to expand waste sites		

Fireman testify at waste-site permit hearing	June 27	27
New York attorney general moves to block waste permits	July 4	22
Nexco Exploration Co.-Nexco expanding exploration program via acquisition	June 13	13
Newman-Green-Valves for aerosol coatings	May 23	33
Niacet Corp.-Brannen, Michael R., president: Carbide said sell Niacet, so he bought it himself	Jan 24	48
Niagara Recycling Inc.-Sells not guilty to violations of storing toxic wastes	Apr 18	21
Nielson, A.C. Co.-Carlson discusses fabricated foods at seminar	Apr 18	38
Nigu Chemie-ACHEMA 1979: method of making guanidine nitrate	July 4	45
Nihon Ammonia-Ammonia/urea cutbacks continue	June 20	46
Nikki Chemical Co.-Puerto Rico-report	Apr 11	56
Nippon Kasei-Ammonia/urea cutbacks continue	June 20	46
Nippon Kayaku-Pyrethroid insecticide will be developed in Japan and in Australia	July 25	45
Nippon-Ketjen-Catalysts for Union Oil process	Oct 31	23
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Nippon Zeon-Sales earnings first-half '79	Nov 28	42
Nissan Chemical-Formosa Plastics signs know-how contracts for Taiwan plants	May 30	28
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Iran-Nippon Petrochemical holdings sold to National Petroleum Co.	Sept 12	42
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Nitro Nobel-Atlas and Nobel form new team in explosives	July 11	25
Nitrocarbonyl-Brazil's Camacari complex (table)	May 23	26
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Norfolk & Western-Orthochlorophenol spill from derailed train in Sturgeon, Mo.: Dioxin is found in cleanup workers' blood	May 23	22
Suits boost claims for dioxin-spill damage	July 25	21
Norsk Hydro-Acquires NSM to strengthen fertilizer position	Sept 19	39
Cooperation pact is signed by Kema-Nobel and Norsk Hydro	June 20	45
Norco American Phillips-2,4,5-T suit filed	Feb 14	18
More suits	Feb 28	18
Northeast Utilities Service Co.-Uranium-supply suit against Westinghouse Electric Corp. settled	Oct 3	25
Northern Natural Gas Co.-Exxon's natural gas from Alaskan North Slope	May 9	21
Northern Petrochemical-Blanda director of marketing on polypropylene	Oct 24	29
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Explosion and fire at LDPE unit in Morris, Ill.	Apr 18	18
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Oriented polypropylene film plant planned	Apr 11	29
Plastic packaging plant near Chicago planned	Apr 18	20
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Te Kolste at N.Y. financial analysts meeting: petrochemicals prosper, fuel outlook brightens	Oct 3	21
Northern Tier Pipeline Co.-Pipeline proposed to carry Alaskan crude oil	June 6	14
Northwest Alaskan Pipeline Co.-Alaskan natural gas line proposed: Oilmen have hope for natural gas line	Aug 29	25
Northwest Industries-2,4,5-T: Class action suit filed over herbicide exposure on behalf of Vietnam veterans and others	Jan 17	21
Another suit filed	Feb 14	18
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Noury Chemical-Organic peroxides prices	Dec 19	69
Novamont-Montedison confirms sale	June 6	13
Sale to USS Chemicals questioned	July 11	20
Novo Biochemical Industries-Enzyme fermentation plants in Franklin N.C.	Mar 28	40
Novo Laboratories-Sales and earnings '78	Mar 28	40
Novopharm-Ulcer-drug similar to Smith-Kline's Tagamet: license request sparks controversy over Canada patent law	Oct 10	51
Novus, Inc.-Epoxy formulation for windshield repair	Apr 4	45
Noxell-Deodorant shampoo	Nov 28	47
Nuclear Fuels Corp.-Uranium cartel suit	July 25	26

O.H. Materials, Inc.-System uses water under high pressure to flush out wastes in ground, waste-laden water then treated with activated carbon.

Oak Ridge National Laboratory-Awards contracts for bumpy torus fusion devices called the ELMO Bumpy Torus (EBT)	Aug 29	43
Contract to three companies for pilot unit that will combine atmospheric fluidized-bed combustion and a gas turbine	Sept 5	23
Fusion research center will be set up	Feb 7	36
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Thermochemical cycle uses solar collectors to produce hydrogen, CO	Aug 15	38
Occidental Petroleum-Ammonia producers protest imports from Russia	July 18	24
Producers ready ITC positions	Aug 29	23
U.S. ammonia firms carry complaint to ITC	Sept 5	17
Soviet ammonia said to disrupt U.S. market	Oct 10	18
Baeder, Donald Lee, executive v-p: Occidental made him an offer he couldn't refuse	June 27	56
Baeder, Donald L.: Oil and chemicals: Era of peaceful coexistence?—report, Meyer Lurie (tables)	Oct 17	70
California orders Oxy to halt pollution at Lathrop, Calif., fertilizer and pesticide plant	Apr 4	23
California plans to seek civil penalties as disclosure of memos implicate Oxy in water-pollution cover-up	June 27	23
Casrell reports to Chicago analysts	Mar 14	17
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Fertilizer deal with Soviets	May 30	18
Fertilizer plant near Dibble Point, Ore. planned	Feb 28	24
Hammer appraises Moorhead bill	July 18	21
Hammer confirms U.S. chemical has signed a 10-year agreement with Bulgaria	Nov 14	42
Hooker Chemical name may be changed	Nov 14	42
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Libya agrees to settle differences	Jan 24	17
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Oxy looks to Merszel to revive profits of Hooker Chemical	May 30	18
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Olin Base, Inc.-Drug-muscle business	Feb 28	26
Olin Corp.-Army refuses DDT cleanup at Redstone Arsenal in Huntsville, Ala., blames Olin for leakage	Feb 14	12
EPA may sue Army for refusal to clean up DDT residues	Feb 21	25
DDT pollution found in Triana, Ala., residents' blood	Mar 28	23
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Mercury measurements debated at Olin trial	Aug 8	20
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Olincraft-Merger into Johns-Manville gets shareholders' O.K.	Jan 3	13	Williams, L. Stanton, chairman and chief executive officer: He expects no big changes now that he's on top	Mar 7	52	Petromin-France backs potash mining project	Oct 17	69
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Ontario Research Foundation-DiNuccio describes new system for rating the flammability hazard of various materials	Oct 31	34	PQ Corp.-Silicate maker seeks soda ash partners for Green River Basin, Wyo.	Aug 15	35	-Correction	Sept 26	53
Oragonex-Merger with ERT halted by construction delay	June 13	40	Silicate prices N Feb 21-30, N Sept 12-36	Dec 5	49	Petronas-Japanese utilities bid for LNG output from Malaysian project	June 6	30
Ore-Ida-Solar power system	Feb 7	38	The Pace Co.-Watters discusses naphtha shortage	Mar 7	15	Petronor-Ethylene plant postponed	Aug 1	32
Ortho Pharmaceutical-New Jersey court weighs researcher's suit against Ortho pharmaceutical	Nov 28	26	Pacific Chemical Industrial Co.-Licenses Shiseido Cosmetic production know-how	Nov 21	22	Petroquímica Cabo Negro-G.P. will buy Chilean ethylene for sale in U.S.	Aug 22	32
Osborne Chemical-Pennsauken, N.J., plant: Xylene explodes	Sept 5	23	Pacific Gas & Electric-California LNG terminal at Point Conception: Final approval seen	July 18	25	Petroquímica-Brazil's Camacari complex (table)	May 23	27
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Ott-Storv Chemical Co.-Michigan releases list of contamination sites	Dec 19	24	Pacific Western Distributing Corp.-Massachusetts state court upholds ban on butyl nitrite	Oct 10	22	MTBE gets green light	Mar 7	18
Oversas Private Investment Corp.-Political-risk coverage in Iran only \$54 million	Dec 5	21	Pactra Industries-Latex-plus, a latex-like aerosol paint	May 23	33	MTBE facility at Houston Apr 11-43, N May 30-55, N Oct 17-69	Oct 24	24
Owens-Corning Fiberglass-Boasting market glass-fiber plant in Amarillo, Tex. Jan 17-36	Jan 24	15	Pancontinental Mining Ltd.-Uranium cartel suit	July 25	26	O'Connell, Harry E., president: Former track star closes in on butylenes market	Fr 14	47
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Steel, plastics bid for storage tank sales	Sept 19	52	Pawnee Plastics-Indriyal acrylics custom-extruded sheet plant in Radlands, Calif.	Mar 28	25	Pfizer, Inc.-Anti-arthritis drug, Feldene, introduced in Switzerland	Oct 3	43
Trademark policing: firms strive to keep well-known trademarks out of common usage	Aug 18	45	Peachbody Coal Co.-Quenon discusses synfuels	July 18	21	COWPS grants price exemptions	June 20	22
Owens-Illinois-Bottle market	Mar 28	40	Peachbody International Corp.-Acquires Seismic Resources	Apr 18	21	Dicyclopentadiene imports backed by Justice Dept. in dispute with Pfizer	Feb 14	23
Nichols, William held for more than three years by leftist guerrillas in the Venezuelan jungle, is back on the job	Sept 26	19	Pease Chemical Corp.-Gulf terminates discussions for leasing PAO unit	Jan 17	13	Fermentation recovery R&D center in Groton, Conn.	Aug 8	22
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PFR Engineering Systems, Inc.-DOE to sponsor first solar facility linked to a chemical plant	Sept 5	76	Pyrethroid synthesizer: synthetic pyrethroid resmethrin	Jan 17	42	Philips Fibers Corp.-Engineering facilities	June 6	32
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Antiknock gets a bum rap-Viewpoint. Auto-glass complex to be built near Evansville, Ind.	Jan 31	13	Hydrochloric and hydrofluoric acids prices N Oct 17-54	Dec 19	69	Tim Keeley (charts)	Nov 7	17
N Auto production cuts will have mixed impact on many chemical suppliers	Aug 22	18	Inorganic chemical prices	Sept 26	46	Capital spending: Douce reports to N.Y. analysts	Nov 7	17
Capital spending: PPG to boost outlays; sees no 1979 "nose-dive"-Williams and Burrell report to N.Y. security analysts	May 30	19	Liquid caustic potash prices N Apr 25-27	Sept 19	35	Douce lists challenges refiners face in coping with lead phase-down at AICHE meeting	Apr 11	42
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Peroxydicarbonate initiators plant planned	June 27	27	Brazil considers selling some mining ventures to private interests	Feb 14	44	Utah oil shale: High Court move will delay White River Oil Shale Project	June 20	28
N Phosgene and chloroformates prices	Nov 21	24	Oil-from-shale plant planned	June 27	36	Phillips Products Co.-Compounding operations to be consolidated into American thermoplastic operations	July 4	22
N Pittsburgh headquarters planned	May 2	13	Petro-Canada-LNG plant planned in the Arctic	May 9	21	Phillips Puerto Rico Corp.-Puerto Rico-report. Meyer Lurie (charts & tables)	Apr 11	56
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Publisher Industries—Alcohol for gasohol blends. Oct 31 45

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Ray—Flotation separator design. Jan 24 39

Rexene—Polypropylene markets: capacity (table). Oct 24 29

Polypropylene prices N Aug 8-23. N Aug 15 35

Slatin: outlook for polypropylene. Oct 24 29

Rexene Polyolefins—El Paso to buy Dart's 50% share. June 20 22

Acquisition complete. R Sept 12 28

Reynolds Aluminum Recycling Co.—B. Scrap aluminum price. N Feb 28 28

Reynolds Metals Co.—Aluminum markets (charts & table). Jan 31 29

Brazil's Valesul aluminum project might pass from state control. Feb 14 44

Corpus Christi Tex., primary reduction plant. Mar 21 26

Defective aluminum may be in aircraft. Aug 15 20

Foil feedstock expansion in Arkansas. Mar 21 17

Reynolds, R.J. Industries—Aromatics International to be sold. R Feb 14 18

Rheinische Olefinwerke—Polyethylene's new pitch: properties, not process. The line that differentiates low-density from high-density polyethylene resins is becoming more blurred. Nov 7 50

Rhinechem Laboratories—Merger with Miles Laboratories approved. R Jan 17 22

Rho-Chem Corp.—Semiconductors: chemical market (table). Nov 21 15

Rhone-Poulenc—Aqualig to be purchased by Nalco France. R Apr 4 26

Aspirin capacity expansion. N Nov 7 48

Dumas discusses drug price controls. May 16 34

Finding jobs for workers it laid off. Jan 10 42

Foreign-owned firms looking at U.S. image. May 30 66

Harris, D. George, president: He's French firm's American connection. Jan 3 45

Piggback sales beef up French Chemical firms. Aug 1 30

Price hikes planned on wide variety of chemicals. Jan 31 24

R&D program in recombinant DNA. N June 27 32

Rhone-Poulenc healthy says chairman Gandios. Oct 24 20

Rhone-Poulenc raises cash through stock issue. N Nov 14 76

Sales and earnings: Company is "on the road to recovery". N June 20 45

Seeks to block Dainippin Ink & Chemicals bid for Polychrome Corp. Mar 7 19

Rhone-Poulenc withdraws offer for Polychrome. N Mar 14 13

U.S. acquisition of Rhône-Poulenc. Apr 18 19

Makes acquisition bid for Andromeda industries. May 9 18

Richardson Co.'s Polymeric Systems Div.—Safety-glazing market may open, if CPSC weathering tests for plastics are eliminated. Nov 21 19

Richardson-Marrell, Inc.—Baker, J. T. Chemical Div. see under name

Richardson-Marrell's Merrell-National Laboratories—Laxative called Chronulac: Patients do not develop addiction when using prescription product. Oct 24 50

Rio Algom Corp.—Puerto Rico report. R Apr 11 56

Meyer Lurie (charts & tables). N Apr 11 56

Riley Stoker—Fluidized-bed boiler with guarantee offered Feb 21-37. Mar 7 36

Fuel Burning Engineering Dept.: Solid waste as fuel: Riley's experiences outlined at ASME's Industrial Power Conference. Oct 31 46

Rio Algom Corp.—Uranium cartel suit. July 25 26

Rio Algom Ltd.—Uranium cartel suit. N July 25 26

Rio Alta Co.—Tenneco purchases properties. N Dec 12 17

Rio Blanco Oil Shale—Surface retort is set for oil-shale test. N July 25 46

Rio Tinto Zinc—R.V. Chemicals Ltd. see under name

Uranium cartel suit. July 25 26

Risk Planning Group—Capitol insurance companies. Oct 3 41

Riverside Chemical—Fire at Crystal City, Tex., warehouse. Mar 14 20

Robins, A.H.—Dalkon Shield-brand intrauterine contraceptive device lawsuit: Jury says Robins must pay \$8.3 million. Aug 8 20

Stockholders get new try in A.H. Robins suit. Oct 3 25

Robintech Inc.—ICI Americas negotiations for an extension of 32% of Robintech shares terminated. N Sept 5 13

Roche—Sales and earnings in 1978. R June 13 42

Roche Australia—Roche Analytical Services, analytical laboratory. N Nov 21 22

Roche-Maag Ltd.—Pyrethroid insecticide will be developed in Japan and in Australia. N July 25 45

Rockcor, Inc.—Astrofrax explosive—a mixture of hydrazine and ammonium nitrate. Sept 12 34

Astrofrax: explosive framing process aims to recover more natural gas from shale. Jan 31 37

Trans Energy Systems French-U.S. joint venture will market cogeneration, district heating systems. N Sept 26 32

Rockwell International—Contract to CE for fast-breeder reactor design. N Nov 14 51

Scientific Design will evaluate a commercial hydroperoxide plant. N Dec 5 66

Rocky Mountain Chemical Co.—Methylmethacrylate-based concrete for bridge maintenance. Aug 29 52

Rohm and Haas—Acquires remaining equity in Carodac. Feb 7 22

Acquires Sacramento Clinical Laboratory, Inc. Nov 7 25

Acrylic sheet capacity boost. R Oct 17 28

Allylic phenol prices. N Apr 18 23

Brazil's agricultural chemicals makers benefit from farm output incentives. Oct 31 31

Gregory, reports to financial analysts: trend toward higher earnings continues . . .	Oct 17	22	Sandia Laboratories—Fool's gold may boost the amount of liquids derived from coal . . .	Aug 8	31	Chlorine-caustic outlook (charts & tables) . . .	Mar 14	30
Methylmethacrylate-based concrete for bridge maintenance . . .	Aug 29	52	Polycrystalline diamond dig in a Sandman, Eli—Thermal incineration system monitors methanol vapors in a drying operation . . .	July 11	30	Colombia shipping rates contested . . .	Feb 7	22
Pennsylvania checking out dumping site near Chester . . .	Feb 21	25	Sandoz—Brazilian agricultural chemicals market . . .	Aug 8	36	COMPS grants price exemptions . . .	June 20	22
Phenol prices . . .	Mar 21	32	Dyestuffs industry: Dye-makers dig in as four dye-makers sell out (charts & table) . . .	Oct 31	32	De Laeuw on polypropylene . . .	Oct 24	29
Propylene-based acrylate monomer plant in Houston Tex. expansion . . .	June 27	27	—Letter . . .	July 4	16	Ethylene: markets, capacity etc. (chart table) . . .	Oct 3	32
Trademark policing: firms strive to keep well-known trademarks out of common usage . . .	Aug 15	45	EPA speeding up program for approval of biorational pesticides says Jellinek N	Aug 1	6	Ethylene prices . . .	Mar 14	24
Vacor rodenticide sales stopped . . .	May 30	22	PRC's European subsidiaries purchased	July 4	39	Henderson, James B., president: For his 20th anniversary he got top spot . . .	Oct 31	52
Rohm and Haas requests EPA cancel registrations of Vacor rodenticides R	Sept 26	69	Sales and earnings '78 . . .	July 11	13	Hydrogen peroxide expansions highlight bullish forecast (table) . . .	Dec 12	33
Wilson on innovation: Industry should own rights to discoveries from R&D it sponsors with government . . .	Apr 4	40	Sanforized Co.—Sanfor-Sat process makes cotton shirts wrinkle-free . . .	May 9	39	Inventories: How some firms keep track of their supplies . . .	May 23	15
Rollins Environmental Services—Bridgeport, N.J. waste-treatment plant gears up after shut down following explosion; Permit to open hazardous waste treatment unit near Charlotte, N.C. asked, R	Jan 3	21	Sanyo Chemical Industries Ltd.—Enzymes speed blood testing . . .	Feb 7	25	Invokes force majeure on U.K. polyethylene . . .	June 27	29
Lucroft at AICHE meeting discusses hazardous wastes . . .	Aug 29	44	Polycrylamide purchased by Russia . . .	Mar 28	40	Kraton elastoplasts plant . . .	June 6	38
PCB-disposal sites: permits sought . . .	May 23	18	N Sales and profits up sharply (table) . . .	Nov 21	33	Mai, Klaus L.: Oil and chemicals. Era of peaceful coexistence? — report, Meyer Lurie (tables) . . .	Oct 17	70
Velocid's pesticide wastes from Memphis, Tenn. plant will not be incinerated . . .	July 18	27	Starch-grafted polyacrylate superabsorbent polymers to get capacity boost R	Sept 26	69	Manufacturing of acrolein, hydrogen peroxide and glycerine to cease . . .	Oct 31	13
Rorer Group—Narco Scientific being acquired . . .	Jan 17	22	Sapin Paints Inc.—Paint warranty . . .	Aug 1	36	MMT: threatened suits make refiners wary of MMT . . .	June 13	21
Rousell-Uclaf—Pyrethroids . . .	Jan 17	42	Sargent-Welch — UV — Vis spectrophotometers . . .	Mar 14	39	MortonNorwich to buy No-Pest insecticide business . . .	Mar 7	13
R&D program in recombinant DNA . . .	June 27	32	Sarma S.P.A.—Purchased by Sandoz . . .	July 11	13	Netherlands: strikes hit petrochemical plants . . .	Oct 3	31
Royal Dutch/Shell Group—de Bruyne at N.Y. financial analysts meeting: petrochemical prosper, fuel outlook brightens . . .	Oct 3	21	Sasol—Fischer-Tropsch technology to be sold in U.S. . . .	Sept 5	76	Petrochemical products prices . . .	Jan 17	32
Japanese utilities' LNG output from Malaysian project . . .	June 6	30	Sasol chemistry ready to go to work in U.S. synfuels programs (flowsheet) . . .	Sept 12	45	Polypropylene markets: capacity (table) . . .	Aug 15	35
Naphtha prices . . .	May 23	30	Texas Eastern contracts for synfuel technical assistance . . .	Oct 17	24	Polypropylene prices N Mar 14-24, N Aug 8-23 . . .	Jan 17	42
Wack discusses petrochemical growth prospects . . .	Jan 24	14	Setra Corp.—Aircro's Ferroalloys division units to be bought . . .	Jan 24	9	Pyrethroids . . .	Jan 24	44
Royer Foundry & Machine—Morgensen Sizer screening equipment will be made in the U.S. by a joint venture . . .	Oct 17	40	Saufion International—Sort extended-wear lenses . . .	Oct 3	38	—Correction . . .	Oct 3	17
Royer/Morgensen, Inc.—Morgensen Sizer screening equipment will be made in the U.S. by a joint venture . . .	Oct 17	40	Schering AG—Acquires three Ashland Chemical plants in Mapleton, Ill., Janesville, Wis. and Oakland, Calif. . .	Jan 17	22	Reynolds discusses inventories . . .	Aug 15	22
Royster—Tampa Bay, Fla., anhydrous ammonia terminal: bids asked to determine cost of doubling capacity . R	Aug 15	24	Collaboration with Cooper Labs planned N	June 20	17	Synthetic pyrethroid insecticide plant planned in Mobile, Ala. . .	Nov 14	17
Rubicon Chemical—Contracts to Barnard and Burk Inc. for MDI unit at Geismar, La. . .	Aug 15	24	Genetic-engineering research . . .	June 27	32	Thermoplastic rubber facility 4th at Marietta, O. planned . . .	Oct 24	32
Methane diisocyanate (MDI) plant at Geismar, La. planned . . .	June 27	17	German CPI regains some vigor. Silke McQueen (charts & tables) . . .	June 20	47	Shell Chemical U.K.—British CPI braces for Thatcher's impact. Tim Keesley (charts) . . .	Oct 24	32
Nitrogen organic capacity boosted . . .	Jan 24	35	Schering-Plough—Genetic-engineering research . . .	June 27	32	Olefins plant at Stanlow, England, contract awarded . . .	Jan 24	17
TDI market outlook (charts) . . .	Jan 24	35	Infrared maintenance . . .	Mar 28	35	Polyolefin markets . . .	June 13	38
Urethane precursors expansion . . .	Sept 5	17	Purchases Kirby Pharmaceuticals, Ltd. R	July 11	22	Sales and earnings: four quarters' cast reports more losses, blames naphtha prices . . .	Jan 17	32
Rubinstein, Helena Inc.—KAO Soap to buy Colgate-Palmolive's interest . . .	Apr 18	21	Stock purchase planned . . .	May 2	13	Scotland's gas-separation plant delayed . . .	May 9	40
Rust Engineering Co.—Wood-to-oil process tests are favorable . . .	Aug 15	23	N White Laboratories Div.: Chicago jury awards cancer victim \$800,000 in verdict against Schering-Plough . . .	Sept 5	19	Construction still in doubt: Shell and Esso fight for U.K. petrochemical base . . .	July 4	48
Rynco Scientific—CAB lenses . . .	Oct 3	38	Schott—ACHEMA 1979: sulfuric acid recovery process . . .	July 4	45	U.K. gas-separation unit is okayed, faces more delay . . .	Aug 22	35
			Schroders Inc.—Allied's Connor named to head financial group . . .	Nov 14	22	Gas-separation unit is challenged again . . .	Oct 3	31
			Scientific Applications—Rapo Foam-Scientific Applications UF foam process case to go to trial . . .	Nov 14	25	Shell Chem. S.A.—Polypropylene plant at Berre Chemicals complex in France R	Apr 18	21
			Scientific Design—Technical evaluation of a 100,000-bbls./day plant using the hydrolysis process under development by Rockwell and Cities Service, N	Dec 5	66	Shell Chimie—VCM-PVC expansion . . .	Apr 11	54
			Scientific Inc.—Kin Buc landfill in Edison, N.J., Justice, EPA sue under RCRA Feb 14-13 . . .	May 2	15	Shell Development—Liquefaction: Pitts burgh conference . . .	Aug 8	35
			Scott Aviation—Thermal business . . .	Aug 8	36	Shell Group—Tin counteracts heavy metals in refinery cat cracking patent says . . .	Jan 10	34
			Scott Paper Co.—Everett, Wash. union accepts three-year contract . . .	Feb 28	24	Shell International Chemical—Singapore ethylene oxide plant . . .	Aug 1	32
			Oconto Falls, Wis. pulp mill: \$1 million to settle water pollution violations . R	Jan 17	22	Shell Internationale Petroleum Maatschappij B.V.—Awards Uhde GmbH contract to design a hydrogen plant for Saudi Arabia . . .	Aug 1	18
			Waste materials for fuel . . .	June 20	21	Shell Internationale Research Maatschappij B.V.—Tin counteracts heavy metals in refinery cat cracking patent says . . .	Jan 10	34
			Sea-Land Service, Inc.—Du Pont complains of overcharges on ocean freight . . .	Aug 15	24	Shell Nederland Chemie—Lowlands CPI tries for new highs . . .	July 11	34
			Seasland Technology Ltd.—"Market and Technical Survey of the International Catalysts and Catalytic Processes Industry" study . . .	Feb 7	36	MTBE unit at Pernis planned . . .	Oct 17	69
			Sealed Air Corp.—Air-bubble technology in insulation applications . . .	June 20	41	Shell Oil Co.—Baltimore Canyon drilling closed down . . .	Feb 21	21
			Sequist Valve Co.—Aerosol propellant from flu virus genes in bacteria . . .	May 23	33	Bookout reports to financial analysts: trend toward higher earnings continues . . .	Oct 17	22
			Recombinant-DNA investigations . . .	June 27	32	Deer Park, Tex. complex: fire forces cutbacks . . .	Sept 12	19
			Seismic Resources, Inc.—Acquired by Peabody International . . .	Apr 18	21	Hydrocarbon agreement with Du Pont N	Apr 18	13
			Sekisui Chemical—Sales and profits up sharply (table) . . .	Nov 21	33	Lawsuit challenges Navajo tax plans . . .	Mar 28	21
			Sentrachem—Coalplex, coal-based polyvinyl chloride plant at Sasolberg has good first year . . .	Aug 22	44	MTBE plant planned . . .	May 30	55
			Setico Co.—Morbane talcum powder case (1972): French criminal court begins to hear testimony . . .	Oct 31	22	Modernization program for its three West Coast refineries, at Wilmington and Martinez, Calif., and Anacortes, Wash. considered . . .	Sept 26	13
			707 Co.—Pyrethrin manufacturers that use chlorofluorocarbon propellants may be granted relief . . .	May 30	22	NGL overcharges: DOE files court action . . .	Jan 17	19
			Shell Canda—Refinery to be built near Edmonton, will provide a new base-aromatics for Alberta's petrochemical future . . .	Dec 19	27	Oil-shale leases: Supreme Court to review decision rejecting interior effort to invalidate Western oil-shale leases . . .	Oct 10	26
			Shell Chemical—Acetylene production . N	Apr 23	23	Sagerman at NP & CA meeting . . .	Nov 7	40
			Animal-health business bought by Diamond Shamrock . . .	Apr 25	17	Shell/Exxon projects in Saudi Arabia shield in negotiations . . .	May 9	13
			Australian CPI buildup . . .	Feb 28	52	Tertiary recovery of crude oil backed by DOE . . .	Apr 18	14
			Australian polypropylene plant at Geelong onstream . . .	July 18	38	Sherwin-Williams—Cleveland CPI firms given little say as city's problems mount . . .	Jan 31	33
			Bisphenol A capacity (table) . . .	Dec 5	50	Gulf + Western Industries to increase stake . . .	Feb 7	28
			Bladex herbicide; Pyridin synthetic pyrethroid . . .	Oct 10	36	Gulf + Western stores purchases are strictly for investment . . .	Mar 21	45
			Catalysts report, Donald P. Burke Pt II: Who's who in catalysts . . .	Apr 4	64	FTC probes G + W's stake in Sherwin-Williams . . .	Aug 29	49
			Chemical complex near Edgard, La. planned . . .	Jan 31	13	Williams at NP & CA meeting discusses waste disposal . . .	Nov 7	40
						Shin-Etsu Chemical Co. Ltd.—China contract for PVC plants . . .	Jan 10	21
						Dow Corning to sell its shares in Shin-Etsu Handotai . . .	Mar 14	13
						N Kanagawa, Chihoro, corporate managing director: He says U.S. is best place for investing capital . . .	Mar 14	52

Shintech to double size of PVC plant at Freeport, Tex.	R	June 13	22	Sopran-Rhone-Poulenc finding jobs for workers it laid off	Jan 10	42	Chlorine-caustic outlook (charts & table). EPA exceeded authority in dropping methyl chloroform and methylene chloride from an exempt list suit charges	Mar 14	30
Shin-Etsu Handotai Co., Ltd.-Dow Corning to sell its shares	R	Mar 14	13	Southern Union Co.-Solar power steam for refinery at Hobbs, N.M.	Feb 7	38	Ethyl silicate products prices	Apr 4	25
Shin Seung Corp.-Town to house potash complex workers in Jordan to be built	R	Jan 10	40	South African Coal, Oil and Gas Corp.-Sasol II coal-gasification facility expansion	Mar 7	23	Ethyl silicates expansion at Weston, Mich.	Nov 7	28
Shintech Inc.-Kanagawa, Chihiro, chairman of the board says U.S. is best place for investing capital	R	Mar 14	52	South Hampton Refining-MTBE technology	Mar 7	18	Facility to manufacture insecticide intermediate ethyl chlorosulfonate at its Edison, N.J. plant	Feb 14	18
Polyvinyl chloride expansion	R	Sept 5	17	Southeastern Glass Laminates, Inc.-Waterslides	Aug 22	42	Flame-retardant markets: CMRA meeting (table)	Nov 28	28
PVC plant at Freeport, Tex. to double size	R	June 13	22	Southern California Edison-Coal-gasification project	July 25	24	Imadan to combat fire ants and other insects	Dec 12	41
The Shipley Co.-Du Pont to acquire company N Oct 17-17	R	Dec 5	43	Gasified coal power plant near Daguerre, Calif. Aug 8-19	Aug 8	32	Modified-why-solids protein	May 9	14
Shieldo Co.-Licenses production know-how to Pacific Chemical Industrial Co. R Shows Denko-Ammonia/urea cutbacks continue	R	Nov 21	22	Southern California Gas Co.-California LNG terminal may be ready by 1983 N Proctor discusses gas surplus at AGA meet	Nov 7	47	Parathion pesticide case settled out of court	Apr 18	39
China sells naphtha to Japanese chemical firms	R	June 20	46	Southern Co.-SCR: proposal for demonstration unit submitted	Jan 28	15	Solar power system for chlorine plant at Henderson, Nev.	Jan 31	21
Sales & earnings 1978	R	Sept 26	53	Southern Union Co.-Solar power steam for refinery at Hobbs, N.M.	Aug 4	31	Stocks: board OK's 2-for-1 stock split	Feb 7	36
Sierra Nuclear-Tin-nitride process to recycle nuclear fuel: Battelle study due N Sigma Coatings-Marine-coatings market	R	Mar 7	33	Southern Union Co.-Solar power steam for refinery at Hobbs, N.M.	Oct 17	28	Correction	Mar 7	24
Simpson Paper-Combined-cycle gas turbine and steam turbine, fueled by wood wastes, to run pulp digester	R	Nov 21	46	Southern Natural Resources-Mexican gas competition	Apr 11	9	Sulfuric acid and sulfur items: prices	Aug 22	32
Sierra Nuclear-Tin-nitride process to recycle nuclear fuel: Battelle study due N Sigma Coatings-Marine-coatings market	R	July 25	42	Southern Research Institute-Controlled-release contraceptive systems	Aug 1	9	Wallcoverings market	Mar 14	44
Smith Bowman-Gasohol production to start	R	Apr 11	41	Southern Union Co.-Solar power steam for refinery at Hobbs, N.M.	Oct 17	51	Steel Tank Institute-Tank with anti-corrosion features	Apr 11	32
Smith, Miller & Patch-Market for lens chemicals	R	May 16	28	Southern Union Co.-Solar power steam for refinery at Hobbs, N.M.	Feb 7	38	Steel Tank Institute-Tank with anti-corrosion features	Sept 19	52
Smith, Stanley & Co.-Marine-coatings market	R	Oct 3	39	Southland Royalty-General Crude acquisition: Mobil's \$800 million bid wins	Mar 21	17	Stapan Chemical Co.-Maywood, N.J. surfactant plant expansion	Jan 10	45
SmithKline Corp.-FDA approval to market ticynafen	R	July 25	42	Southwest Forest Industries-International Paper's Florida complex to be bought N Southwest Research Institute-Solar power system for bromine plant	Mar 28	21	Phthalic anhydride prices	Mar 28	28
SmithKline set for big entry to eye-care field with acquisition of Allergan Pharmaceuticals	R	May 9	21	Sulfur-based road-paving material, dubbed Sulphur, could replace asphalt	Apr 4	17	Reflections on the Great Depression, Alfred C. Stepan, Jr.	Oct 24	47
Ulcer-drug Tagamet-Canada patent law sparks drug controversy as Novopharm applies for ulcer-drug license	R	Dec 19	22	Southwest Specialty Chemicals-Small chemical companies brace for TSCA's impact	Mar 21	17	Sales and earnings up	Nov 7	41
Snamprogetti-MTBE technology Mar 7-18	R	Oct 10	51	Southwest Specialty Chemicals-Small chemical companies brace for TSCA's impact	Mar 21	17	Sterling Drug-Aspirin may have preventive value against heart attacks	Oct 3	52
Snia Viscosa-Agreements with the Soviet Union	R	Oct 17	69	Southwest Specialty Chemicals-Small chemical companies brace for TSCA's impact	Mar 21	17	Stewart Petroleum Co.-Joint venture refinery in N.C.	July 4	34
Creditors seek repayment plan as CPI losses exceed \$1 billion (table)	R	Nov 7	48	Southwest Specialty Chemicals-Small chemical companies brace for TSCA's impact	Mar 21	17	Stevens, J.P.-Packed-column scrubber known as an autocatalyzer takes vapor at J.P. Stevens' Wallace, N.C. plant	Nov 7	17
Four plants to close this month	R	Jan 31	32	Southwest Specialty Chemicals-Small chemical companies brace for TSCA's impact	Mar 21	17	Stone & Webster Engineering Corp. for Getty methanol plant	May 30	59
Italian government supports recovery plans	R	July 11	36	Southwest Specialty Chemicals-Small chemical companies brace for TSCA's impact	Mar 21	17	Feasibility of making gas from heavy-oil residue is subject of study	Dec 19	17
Merger with Montefibre in jeopardy	R	Aug 22	35	Southwest Specialty Chemicals-Small chemical companies brace for TSCA's impact	Mar 21	17	Fluidized-bed boiler	Nov 7	47
Montefibre's losses halt merger	R	Jan 10	40	Southwest Specialty Chemicals-Small chemical companies brace for TSCA's impact	Mar 21	17	Oak Ridge fluidized-bed contract	Mar 7	36
No progress in bailing out Italian companies	R	Feb 7	24	Southwest Specialty Chemicals-Small chemical companies brace for TSCA's impact	Mar 21	17	Thermal Regenerative Cracking (TRC) process that can make ethylene from resid to get pilot plant test	Sept 5	23
Process to make caprolactam that eliminates ammonium sulfate coproduction	R	Dec 5	51	Southwest Specialty Chemicals-Small chemical companies brace for TSCA's impact	Mar 21	17	Stoneson Soap-Car-wash chemicals	Oct 24	38
Sales and earnings '78	R	June 6	35	Southwest Specialty Chemicals-Small chemical companies brace for TSCA's impact	Mar 21	17	Stride Rite-Uniroyal's footwear lines bought	May 9	36
Sobin Chemicals-China's door is open but it takes time to get in	R	Apr 18	26	Southwest Specialty Chemicals-Small chemical companies brace for TSCA's impact	Mar 21	17	Styrochem Corp.-Puerto Rico-report, Meyer Lurie (charts & tables)	Sept 19	27
SIR-Ailing Italian firms may get new financing from banks	R	Jan 24	32	Southwest Specialty Chemicals-Small chemical companies brace for TSCA's impact	Mar 21	17	Sulfab-Brazil's Camacari complex (table) Feb 7-24, N May 16-35, N Aug 1-32 N Technology for Shell's synthetic pyrethroid plant	Apr 11	56
Creditors seek repayment plan as CPI losses exceed \$1 billion (table)	R	Jan 17	32	Southwest Specialty Chemicals-Small chemical companies brace for TSCA's impact	Mar 21	17	Sulfab-Brazil's Camacari complex (table) Feb 7-24, N May 16-35, N Aug 1-32 N Technology for Shell's synthetic pyrethroid plant	May 23	27
Italian government supports recovery plans	R	Jan 31	32	Southwest Specialty Chemicals-Small chemical companies brace for TSCA's impact	Mar 21	17	Sulfab-Brazil's Camacari complex (table) Feb 7-24, N May 16-35, N Aug 1-32 N Technology for Shell's synthetic pyrethroid plant	June 6	13
Italy's chemical trade deficit has doubled	R	Aug 22	35	Southwest Specialty Chemicals-Small chemical companies brace for TSCA's impact	Mar 21	17	Sulfab-Brazil's Camacari complex (table) Feb 7-24, N May 16-35, N Aug 1-32 N Technology for Shell's synthetic pyrethroid plant	June 13	39
Kuwait puts a lien on Sardoil refinery in Sardinia	R	Sept 12	41	Southwest Specialty Chemicals-Small chemical companies brace for TSCA's impact	Mar 21	17	Sulfab-Brazil's Camacari complex (table) Feb 7-24, N May 16-35, N Aug 1-32 N Technology for Shell's synthetic pyrethroid plant	Jan 17	42
No progress in bailing out Italian companies	R	Aug 22	35	Southwest Specialty Chemicals-Small chemical companies brace for TSCA's impact	Mar 21	17	Sulfab-Brazil's Camacari complex (table) Feb 7-24, N May 16-35, N Aug 1-32 N Technology for Shell's synthetic pyrethroid plant	Mar 7	33
Problems move to Rome	R	Dec 5	51	Southwest Specialty Chemicals-Small chemical companies brace for TSCA's impact	Mar 21	17	Sulfab-Brazil's Camacari complex (table) Feb 7-24, N May 16-35, N Aug 1-32 N Technology for Shell's synthetic pyrethroid plant	Oct 31	30
Italian banks move to pull out SIR finances	R	Feb 14	43	Southwest Specialty Chemicals-Small chemical companies brace for TSCA's impact	Mar 21	17	Sulfab-Brazil's Camacari complex (table) Feb 7-24, N May 16-35, N Aug 1-32 N Technology for Shell's synthetic pyrethroid plant	Aug 15	22
Unions set for strikes, plant seizures	R	May 23	20	Southwest Specialty Chemicals-Small chemical companies brace for TSCA's impact	Mar 21	17	Sulfab-Brazil's Camacari complex (table) Feb 7-24, N May 16-35, N Aug 1-32 N Technology for Shell's synthetic pyrethroid plant	May 9	49
Societe Francaise des Laboratoires Abbott -French tax authorities look at Abbott Labs	R	Mar 14	40	Southwest Specialty Chemicals-Small chemical companies brace for TSCA's impact	Mar 21	17	Sulfab-Brazil's Camacari complex (table) Feb 7-24, N May 16-35, N Aug 1-32 N Technology for Shell's synthetic pyrethroid plant	May 2	17
Societe Generale de Financement-Quebec's Petromont plans to compete in world ethylene-products market	R	Nov 14	41	Southwest Specialty Chemicals-Small chemical companies brace for TSCA's impact	Mar 21	17	Sulfab-Brazil's Camacari complex (table) Feb 7-24, N May 16-35, N Aug 1-32 N Technology for Shell's synthetic pyrethroid plant	May 2	64
Soc. Pour la Promotion Activities Nouvelles-Rhone-Poulenc finding jobs for workers it laid off	R	Nov 14	76	Southwest Specialty Chemicals-Small chemical companies brace for TSCA's impact	Mar 21	17	Sulfab-Brazil's Camacari complex (table) Feb 7-24, N May 16-35, N Aug 1-32 N Technology for Shell's synthetic pyrethroid plant	July 4	13
Sopo et Cie.-Soviet-Spain form 50-50 joint venture import-export company. R Soljuchimexport-50-50 joint venture chemical export-import company with Spanish companies	R	Jan 10	42	Southwest Specialty Chemicals-Small chemical companies brace for TSCA's impact	Mar 21	17	Sulfab-Brazil's Camacari complex (table) Feb 7-24, N May 16-35, N Aug 1-32 N Technology for Shell's synthetic pyrethroid plant	July 18	27
Solar and Chemical Power, NASA-A SWEET story about some valuable ASSETS-Other views, Ernst M. Cohn. Soltech Polymer-Acquires Salsbury Laboratories	R	June 13	42	Southwest Specialty Chemicals-Small chemical companies brace for TSCA's impact	Mar 21	17	Sulfab-Brazil's Camacari complex (table) Feb 7-24, N May 16-35, N Aug 1-32 N Technology for Shell's synthetic pyrethroid plant	July 25	24
HDPE expansion	R	Nov 7	18	Southwest Specialty Chemicals-Small chemical companies brace for TSCA's impact	Mar 21	17	Sulfab-Brazil's Camacari complex (table) Feb 7-24, N May 16-35, N Aug 1-32 N Technology for Shell's synthetic pyrethroid plant	July 25	24
HDPE markets: producers, capacity etc. (table)	R	Sept 5	17	Southwest Specialty Chemicals-Small chemical companies brace for TSCA's impact	Mar 21	17	Sulfab-Brazil's Camacari complex (table) Feb 7-24, N May 16-35, N Aug 1-32 N Technology for Shell's synthetic pyrethroid plant	Aug 15	13
HDPE output boost at Deer Park, Tex. Lexter see under name	R	Sept 19	33	Southwest Specialty Chemicals-Small chemical companies brace for TSCA's impact	Mar 21	17	Sulfab-Brazil's Camacari complex (table) Feb 7-24, N May 16-35, N Aug 1-32 N Technology for Shell's synthetic pyrethroid plant	Sept 12	13
Propylene polymers: capacity (table) Solvay & Cie.-Business update, sales improve	R	May 30	13	Southwest Specialty Chemicals-Small chemical companies brace for TSCA's impact	Mar 21	17	Sulfab-Brazil's Camacari complex (table) Feb 7-24, N May 16-35, N Aug 1-32 N Technology for Shell's synthetic pyrethroid plant	Sept 12	13
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Interac America see under name Persulfate price fixing suit: consent decree offered	R	July 4	47	Southwest Specialty Chemicals-Small chemical companies brace for TSCA's impact	Mar 21	17	Sulfab-Brazil's Camacari complex (table) Feb 7-24, N May 16-35, N Aug 1-32 N Technology for Shell's synthetic pyrethroid plant	Sept 12	13
Solvay & Cie.-Business update, sales improve	R	Feb 21	26	Southwest Specialty Chemicals-Small chemical companies brace for TSCA's impact	Mar 21	17	Sulfab-Brazil's Camacari complex (table) Feb 7-24, N May 16-35, N Aug 1-32 N Technology for Shell's synthetic pyrethroid plant	Sept 12	13
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N Trex Co.-Grow Chemicals to buy stock.	N	Jan 10	21
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N Tube Investments, Ltd.-Australia testing filters to cut lead emissions.	N	Aug 15	38
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N Cyanogen from hydrogen cyanide and oxygen: ACS meeting.	N	Apr 11	45
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N Unify Inc.-Universal Leaf Tobacco plans acquisition.	N	Jan 17	13
N Unigard Mutual Insurance-Hooker in courts with insurers over coverage for Love Canal.	N	Dec 12	24
N Unilever United States - Acquisitions strengthen specialty hand.	N	Oct 17	25
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